



CONTROL & CONNECTION EQUIPMENT



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INPRATEX SL

Beveco
Alarma
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INPRATEX



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EXPLOSION PROOF PRODUCTS AND SOLUTIONS FOR HAZARDOUS AREAS.

Equipment supply, Engineering and Manufacturing.

Inpratex provides a wide range of custom-made products and solutions for different industries operating in hazardous and potentially explosive environments.



Inpratex SL is based in Eibar (Gipuzkoa, Spain). We are specialists in supplying equipment, in engineering and in the manufacture of products for industries working in Hazardous Areas.

Our engineering team provides solutions combining the limitations related to the use of the equipment with the potentially dangerous environment in which it must be used.

Inpratex supplies ATEX/IECEx equipment and custom-made solutions for manufacturing and process industries.



4

CONTROL & CONNECTION EQUIPMENT





4 - CONTROL & CONNECTION EQUIPMENT

Inpratex offers a comprehensive range of ATEX-certified connection and control equipment, designed for safe installation and operation in hazardous areas, where explosive atmospheres may be present due to gases or vapours or combustible dust.

The range includes ATEX junction and terminal boxes with enclosures made of GRP (glass-reinforced polyester), aluminium or stainless steel, fully configurable according to customer requirements in terms of the number of terminals and cable entries. These enclosures can be supplied for armoured or non-armoured cable installations.

Inpratex also supplies ATEX switches and isolators with aluminium or GRP housings, particularly suitable for use in petrochemical plants, offshore platforms, oil and gas industries, refineries and other industrial environments with potentially explosive atmospheres.

The catalogue is completed with configurable control stations and push-button units, which may incorporate start/stop functions, emergency stop mushroom buttons, push buttons, indicator lights and fire alarm push buttons, among others. The range also includes stainless steel control devices, designed for process control or status indication in industrial machinery and installations.

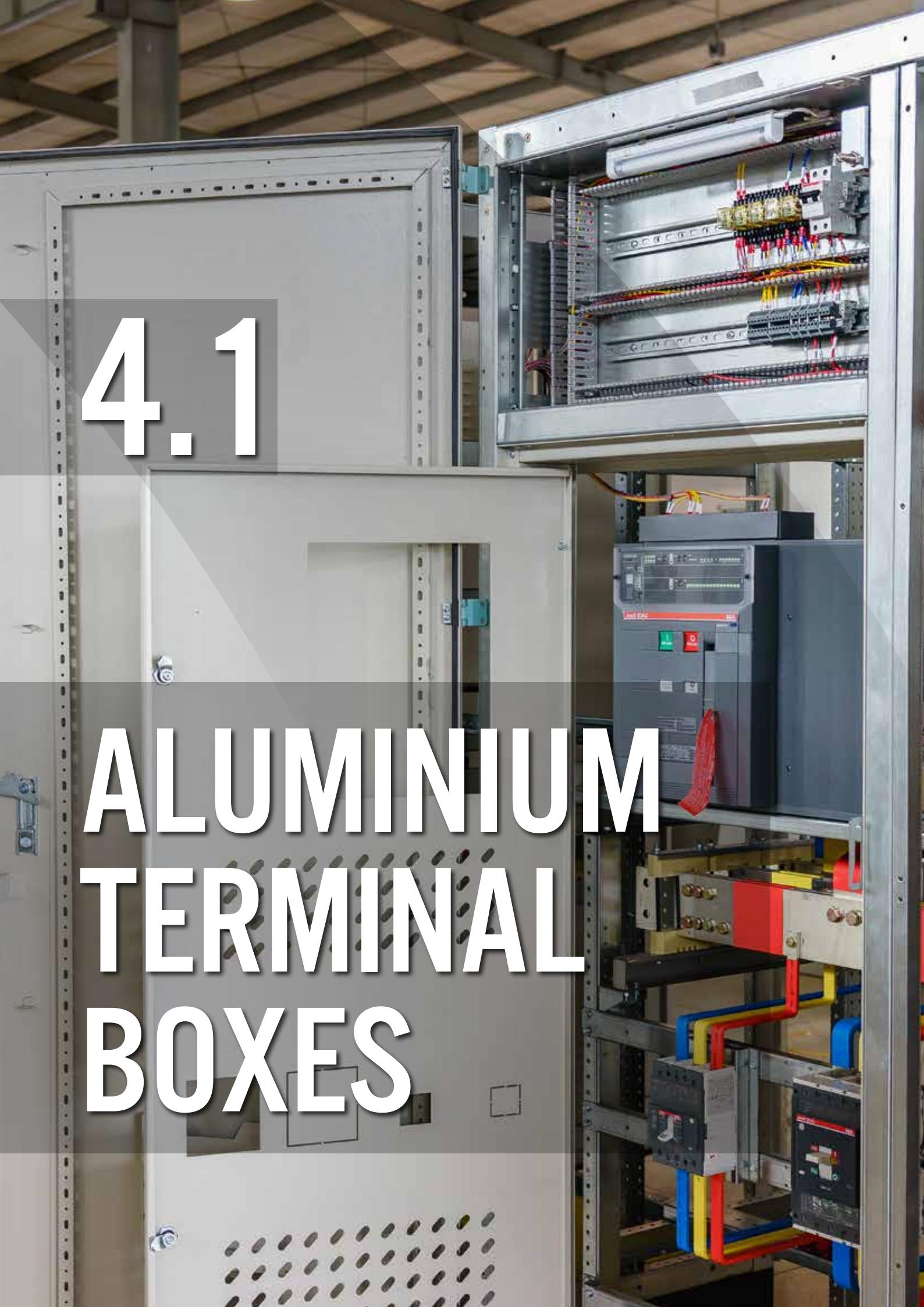
Inpratex further offers ATEX socket outlets (plugs and sockets) and compact connectors, manufactured from high-performance polyamide, fully watertight and with integrated switching capacity, suitable for use in Zones 1 and 2 (gas) and Zones 21 and 22 (dust).

The range is completed with ATEX limit switches, offering extensive adaptation options and various mounting possibilities, as well as earthing clamps and grounding systems, essential for safety in hazardous area installations.

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4.1

ALUMINIUM TERMINAL BOXES



CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX Zones 1,2,21,22 rated explosion-proof aluminium alloy junction boxes. These enclosures are suitable for those industries where potentially explosive environments exist, e.g. chemical, petrochemical and pharmaceutical industries, Oil&Gas, et...

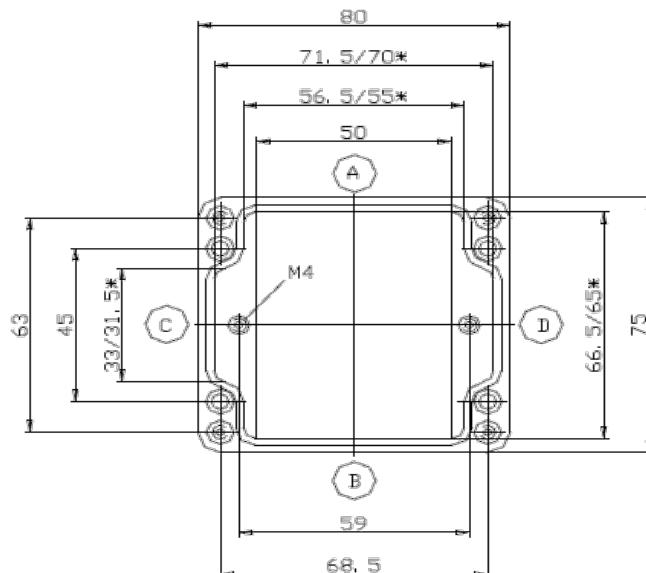
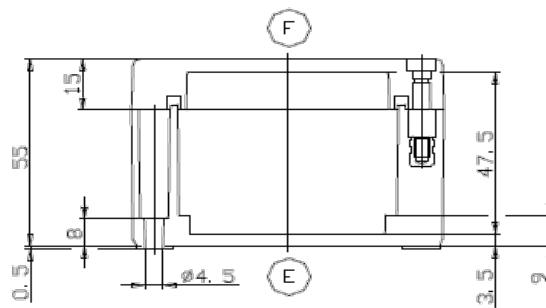


EU-Type Examination Certificate

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES

Max. number of terminals:							Max. number of cable entries (plastic glands):						Item No.:	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63
Number:	8	0	0	0	0	0	A	2	1	1	0	0	0	5A0301..xx*
							B	2	1	1	0	0	0	
							C	2	1	0	0	0	0	
							D	2	1	0	0	0	0	



* The following should be attached to the reference of each box size:

1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)

2 - Size and number of cable entries:

- For unarmoured cable, it may never exceed the maximum quantity shown in the table.
- If armoured cable is used, the number of entries must be defined in each case.

The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex e II T4/T6 Gb II 2G Ex ia IIC T6 Gb II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	75x80x57 mm
Ingress protection:	IP65
Weight:	280 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

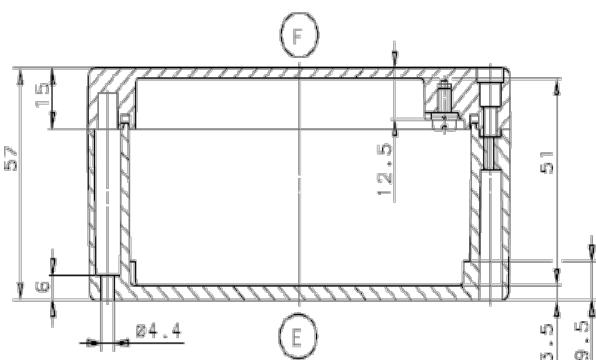
Zones 1, 2, 21, 22

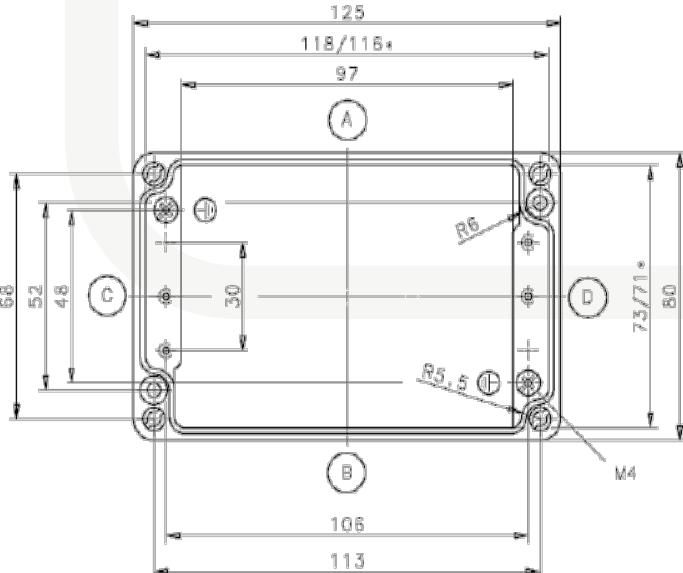
Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES											Max. number of cable entries (plastic glands):					Item No.: 5A0302..xx*		
Max. number of terminals:							Max. number of cable entries (plastic glands):										Item No.: 5A0302..xx*	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63				
Number:	17	0	0	0	0	0	A	4	3	2	0	0	0	0				
							B	4	3	2	0	0	0	0				
							C	2	1	0	0	0	0	0				
							D	2	1	0	0	0	0	0				





* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex e II T4/T6 Gb  II 2G Ex ia IIC T6 Gb  II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	125x80x57 mm
Ingress protection:	IP65
Weight:	435 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

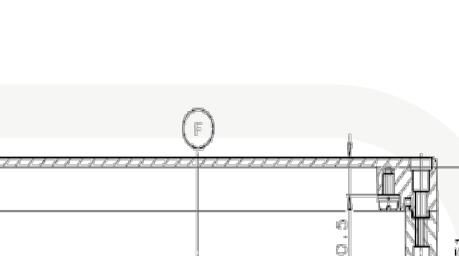
The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

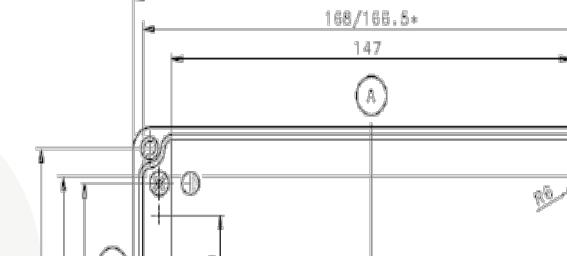
We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.



CONTROL & CONNECTION EQUIPMENT

Max. number of terminals:							Max. number of cable entries (plastic glands):							Item No.:	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size::	M16	M20	M25	M32	M40	M50	M63	5A0303..xx*
Number:	27	0	0	0	0	0	A	6	4	4	0	0	0	0	
							B	6	4	4	0	0	0	0	
							C	2	1	0	0	0	0	0	
							D	2	1	0	0	0	0	0	





TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex e II T4/T6 Gb  II 2G Ex ia IIC T6 Gb  II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	175x80x57 mm
Ingress protection:	IP65
Weight:	530 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

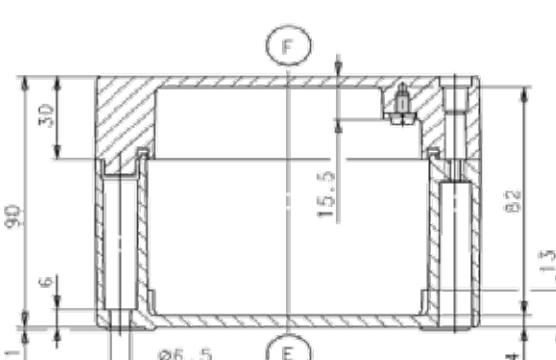
Zones 1, 2, 21, 22

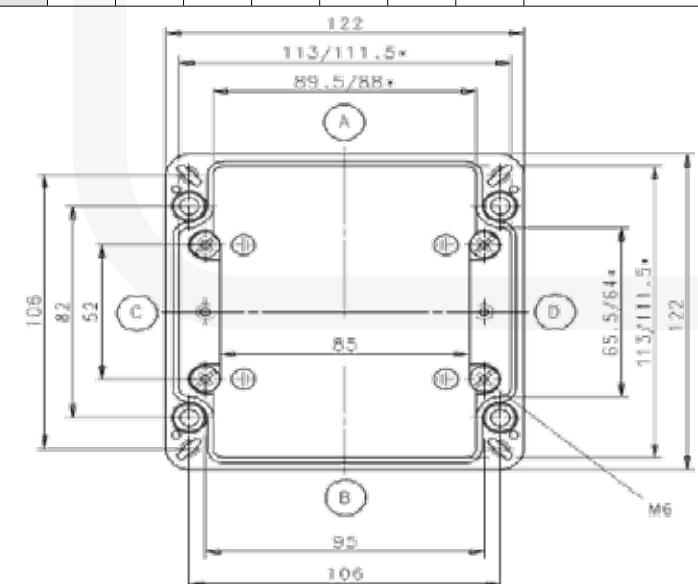
Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES											Max. number of cable entries (plastic glands):					Item No.: 5A0304..xx*		
Max. number of terminals:							Max. number of cable entries (plastic glands):										Item No.: 5A0304..xx*	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63				
Number:	15	13	9	7	0	0	A	6	4	2	2	1	0	0				
							B	6	4	2	2	1	0	0				
							C	2	1	1	0	0	0	0				
							D	2	1	1	0	0	0	0				





* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2G Ex e II T4/T6 Gb Ex II 2G Ex ia IIC T6 Gb Ex II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	122x122x90 mm
Ingress protection:	IP65
Weight:	920 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



ITEM REFERENCES										Max. number of cable entries (plastic glands):					Item No.:
Max. number of terminals:						Max. number of cable entries (plastic glands):									
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	5A0305..xx*
Number:	22	18	13	11	9	0	A	9	6	4	2	2	1	0	
							B	9	6	4	2	2	1	0	
							C	4	3	2	2	0	0	0	
							D	4	3	2	2	0	0	0	

Front view dimensions: 160x160x90 mm

Side view dimensions: 160x140x90 mm

* The following should be attached to the reference of each box size:
1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
2 - Size and number of cable entries:
- For unarmoured cable, it may never exceed the maximum quantity shown in the table.
- If armoured cable is used, the number of entries must be defined in each case.
The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	160x160x90 mm
Ingress protection:	IP65
Weight:	1410 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES															
Max. number of terminals:							Max. number of cable entries (plastic glands):					Item No.:			
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	
Number:	42	35	26	21	17	0	A	17	12	7	4	3	3	0	5A0306..xx*
							B	17	12	7	4	3	3	0	
							C	4	3	2	2	0	0	0	
							D	4	3	2	2	0	0	0	

* The following should be attached to the reference of each box size:

- 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
- 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.

The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex e II T4/T6 Gb II 2G Ex ia IIC T6 Gb II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	260x160x90 mm
Ingress protection:	IP65
Weight:	1960 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



ITEM REFERENCES										Max. number of cable entries (plastic glands):					Item No.:
Max. number of terminals:						Max. number of cable entries (plastic glands):									
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	5A0307..xx*
Number:	62	51	38	31	25	0	A	26	18	11	6	5	4	0	
							B	26	18	11	6	5	4	0	
							C	4	3	2	2	0	0	0	
							D	4	3	2	2	0	0	0	

Front View Dimensions: 360x160x90 mm

Side View Dimensions: 360x351/349* x 160 mm

* The following should be attached to the reference of each box size:
1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
2 - Size and number of cable entries:
- For unarmoured cable, it may never exceed the maximum quantity shown in the table.
- If armoured cable is used, the number of entries must be defined in each case.
The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	360x160x90 mm
Ingress protection:	IP65
Weight:	2550 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

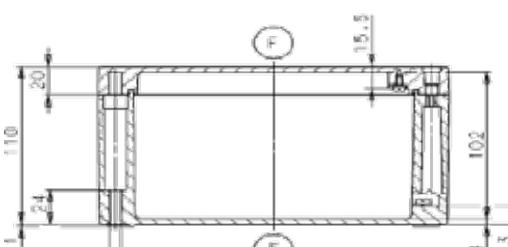
Zones 1, 2, 21, 22

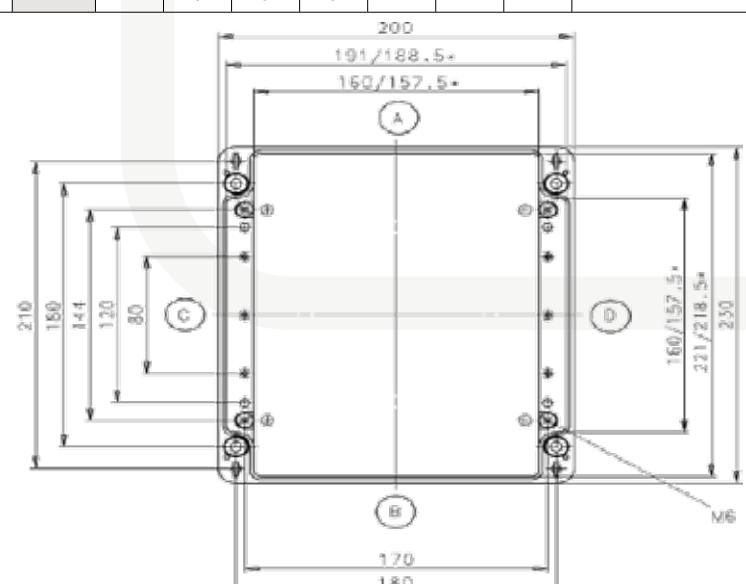
Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES											Max. number of cable entries (plastic glands):					Item No.: 5A0308..xx*		
Max. number of terminals:							Max. number of cable entries (plastic glands):										Item No.: 5A0308..xx*	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63				
Number:	60	50	18	15	12	0	A	15	12	8	4	3	2	2				
							B	15	12	8	4	3	2	2				
							C	12	8	5	3	2	2	1				
							D	12	8	5	3	2	2	1				





* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex e II T4/T6 Gb  II 2G Ex ia IIC T6 Gb  II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions::	200x230x110 mm
Ingress protection:	IP65
Weight:	2730 g (empty)
Colour:	RAL 7001

CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs.
The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



ITEM REFERENCES															
Max. number of terminals:						Max. number of cable entries (plastic glands):					Item No.:				
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	
Number:	92	76	28	23	19	14	A	25	18	11	7	4	3	3	5A0309..xx*
							B	25	18	11	7	4	3	3	
							C	12	8	5	3	2	2	1	
							D	12	8	5	3	2	2	1	

* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	280x230x110 mm
Ingress protection:	IP65
Weight:	3840 g (empty)
Colour:	RAL 7001

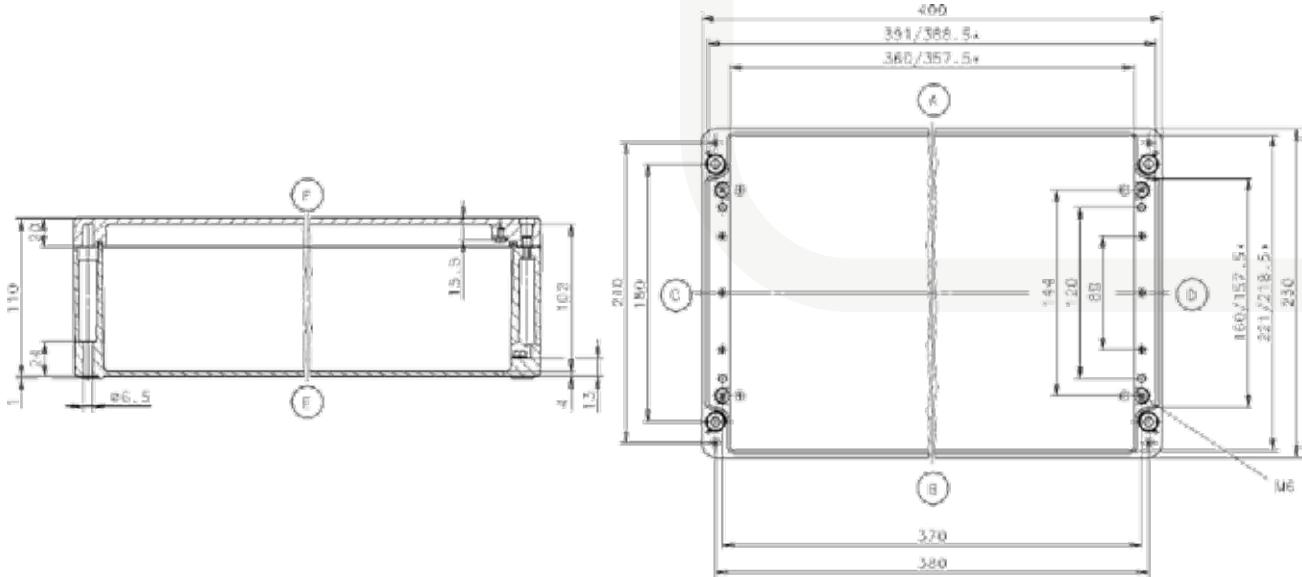
CONFIGURABLE EX-PROOF ALUMINIUM TERMINAL BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES																				
Max. number of terminals:							Max. number of cable entries (plastic glands):					Item No.:								
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63						
Number:	140	116	43	35	29	21	A	38	27	17	11	6	5	4	5A0310..xx*					
							B	38	27	17	11	6	5	4						
							C	12	8	5	3	2	2	1						
							D	12	8	5	3	2	2	1						
																				
<p>* The following should be attached to the reference of each box size:</p> <ol style="list-style-type: none"> 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table) 2 - Size and number of cable entries: <ul style="list-style-type: none"> - For unarmoured cable, it may never exceed the maximum quantity shown in the table. - If armoured cable is used, the number of entries must be defined in each case. <p>The value 0 indicates that this type of terminal / cable entry size can't be used in this box model</p>																				

TECHNICAL SPECIFICATIONS	
Marking:	  
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	400x230x110 mm
Ingress protection:	IP65
Weight:	4870 g (empty)
Colour:	RAL 7001

JUNCTION BOX SERIE S INPRATEX

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

Explosion-proof junction box for hazardous areas. The enclosure includes 4 open cable entries and is equipped with 6 terminals (2.5 mm²) and 2 internal grounding terminals. Supplied with pre-installed terminal bridges (easily removable with a flat-head screwdriver).



The Wago 2252-1201 and 2252-1207 clamp-type terminal blocks are perfect for small spaces thanks to their compact design. They are made of polyamide (PA66) and are operated by means of a clearly distinguishable orange push button. They guarantee safe electrical connections. They allow the connection of solid and stranded conductors. The front entry of the terminals together with the push button facilitates wiring. This S series box is a small box, suitable for wiring luminaires or small appliances. Designed for explosive atmospheres where cost, installation space and heavy industrial environments are taken into account.

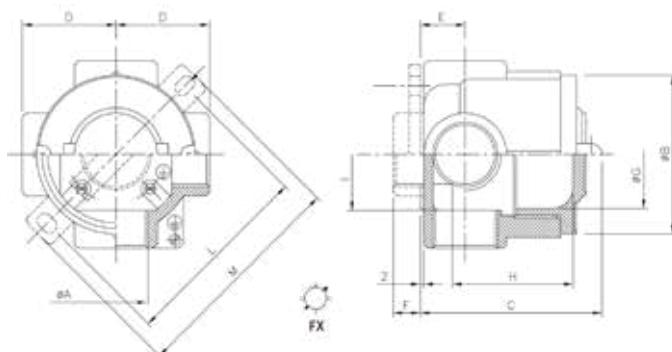


EU-Type Examination Certificate

ITEM REFERENCES												
Designation:	External dimensions (mm):					Internal dimensions (mm):			Mounting brackets (mm):		Weight:	Item No.:
	ØB	C	D	E	ØF	G	H	I	ØL	M		
SX 16M-MM	90	78	50	20	8	70	49	70	108	126	475 gr	5A0401

TECHNICAL SPECIFICATIONS												
Marking:	II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T85°C Db											
Certificate:	EU-Type Examination Certificate											
Operating temperature:	-20°C to +40°C											
Housing:	Aluminum light alloy											
Terminals:	6x 2,5mm ² terminals (bridged in pairs, jumpers can be removed) + 2x 2,5mm ² earth terminals											
Ingress protection:	IP66/67											
Cable entries:	4x M20x1,5 (cable glands / plugs not included)											

ACCESSORIES		
Designation:	Item No.:	
Cable glands for armoured cable M20x1,5 (Outer diameter 9 - 15,5 mm)	7B0702	
Cable glands for armoured cable M20x1,5 (Outer diameter 13,2 - 20,5 mm)	7B0703B	
Cable glands for non armoured cable M20x1,5 (Outer diameter 3 - 7 mm)	7B0903	
Cable glands for non armoured cable M20x1,5 (Outer diameter 5 - 10,3 mm)	7B0904	
Cable glands for non armoured cable M20x1,5 (Outer diameter 9 - 15,3 mm)	7B0905	
Plug M20x1,5	7D0102	



JUNCTION BOX SERIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Explosion-proof junction boxes ideal for routing and interconnecting the wires at the intersection of the conduits.

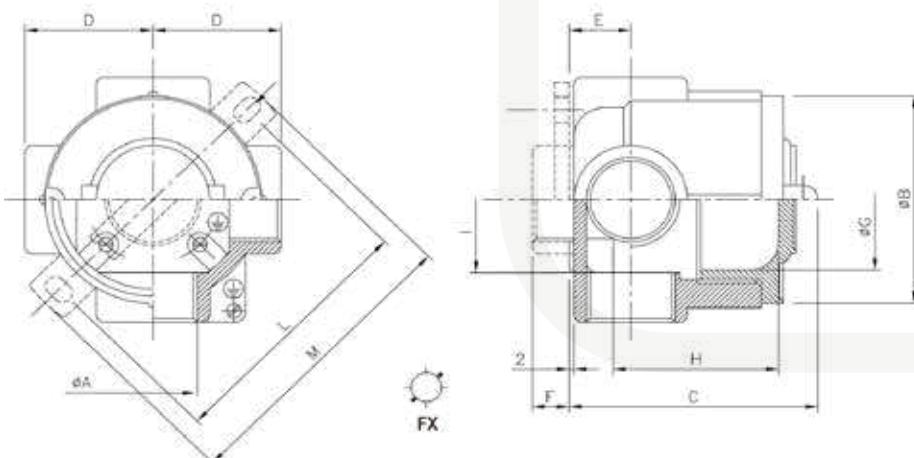
Supplied with rough surface or outside painted according to customer specifications.



EU-Type Examination Certificate

ITEM REFERENCES													
Designation:	External dimensions (mm):					Internal dimensions (mm):				Mounting brackets (mm):		Weight:	Item No.:
	ØB	C	D	E	ØF	G	H	I	ØL	M			
SFX 16N MM 2-8	90	78	50	20	8	70	49	70	108	126	440 gr	5A0501	
SFX 26N MM 2-8	90	78	50	20	8	70	49	70	108	126	440 gr	5A0502	

TECHNICAL SPECIFICATIONS												
Marking:												
Certificate:	EU-Type Examination Certificate											
Housing:	Aluminum light alloy (Aluminox on request)											
Operating temperature:	-20°C to +40°C											
Terminals:	8 Terminals 2,5mm ²											
Ingress protection:	IP66/67											
Cable entries:												
SFX 16N MM 2-8						SFX 26N MM 2-8						
1/2" NPT (ØA)						3/4" NPT (ØA)						



BHD51 SERIES EXPLOSION-PROOF JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

4



CONTROL & CONNECTION EQUIPMENT



Explosion-proof Ex d junction boxes.

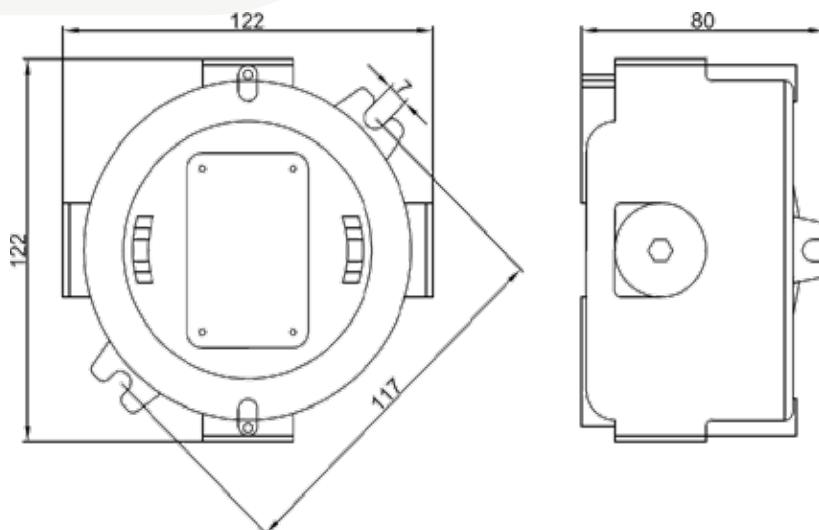
Manufactured in copper-free aluminium, powder coated surface.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:	Weight:	Item No.:
BHD51-D/M20x1,5	0,70 kg	5A0101
BHD51-D/M25x1,5	0,70 kg	5A0102

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex d IIC T6 Gb II 2D Ex t IIIC T80°C Db IP66
Certificate:	EU-Type Examination Certificate
Enclosure colour:	Yellow (RAL 1021)
Operating temperature:	-60°C to +55°C
Rated voltage:	Max. 500 VAC
Rated current:	20A
Terminals:	6 terminals 2,5mm ²
Ingress protection:	IP66



ALUMINIUM JUNCTION BOX - 2 ENTRIES / 2 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

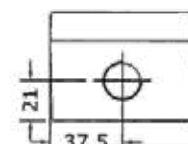


EU-Type Examination Certificate

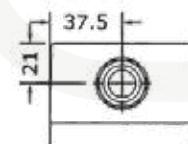
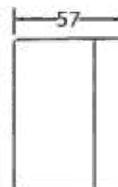
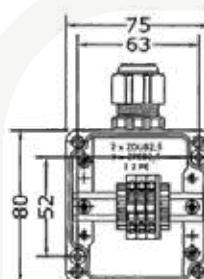
ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E2-00806+2T2,5+2M20	Without cable glands	5A0806
A21-E2-00806+2T2,5+2PM20	2 plastic cable glands (4-13 mm)	5A0807
A21-E2-00806+2T2,5+1PM20+1PAM20	1 plastic cable gland (4-13 mm) + 1 brass cable gland (9-15,5 mm)	5A0808
A21-E2-00806+2T2,5+1PM20+1PANM20	1 plastic cable glands (4-13 mm) + 1 nickel plated brass cable gland (9-15,5 mm)	5A0809
A21-E2-00806+2T2,5+2PAM20	2 brass cable glands (9-15,5 mm)	5A0810
A21-E2-00806+2T2,5+2PANM20	2 nickel plated brass cable glands (9-15,5 mm)	5A0811

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2G Ex e IIC T6 Gb Ex II 2D Ex tb IIIC T80°C
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium
Dimensions:	75x80x57mm
Operating temperature:	-20°C to +40°C
Terminals:	2 x 2,5mm² + 1 PE
Ingress protection:	IP66
Cable entries:	2xM20x1,5



Side B:
1 tapped hole M20x1.5



Side A:
1 plastic cable gland M20x1,5 bk (4-13mm)

ALUMINIUM JUNCTION BOX - 8 ENTRIES / 14 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

4



Ex e terminal boxes for hazardous areas.

Manufactured in aluminum.

The box has 4xM16 and 4xM20 cable entries, and is equipped with 14 2.5mm² terminals + 2 ground terminals.



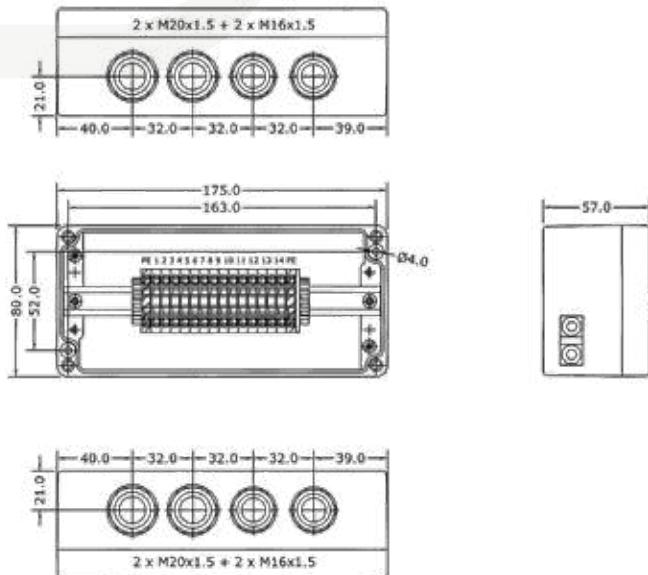
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-E2-01806+14T2,5+4M16+4M20	5A0822

DATOS TÉCNICOS

Marking:	II 2G Ex eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	
Certificate:	CEU-Type Examination Certificate	
Housing:	Aluminium	
Dimensions:	175x80x57mm	
Operating temperature:	-20°C to +40°C	
Terminals:	14 x 2,5mm ² + 2 PE	
Ingress protection:	IP65	
Cable entries:	Upper side: 2x M16x1,5 plastic cable glands (4-10 mm) 2x M20x1,5 plastic cable glands (7-13 mm)	Lower side: 2x M16x1,5 plastic cable glands (4-10 mm) 2x M20x1,5 plastic cable glands (7-13 mm)



ALUMINIUM JUNCTION BOX - 6 ENTRIES / 18 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e terminal boxes for hazardous areas.

Manufactured in aluminum.

The box has 1xM25 and 5xM20 cable entries, and is equipped with 18 2.5mm² terminals + 2 ground terminals.

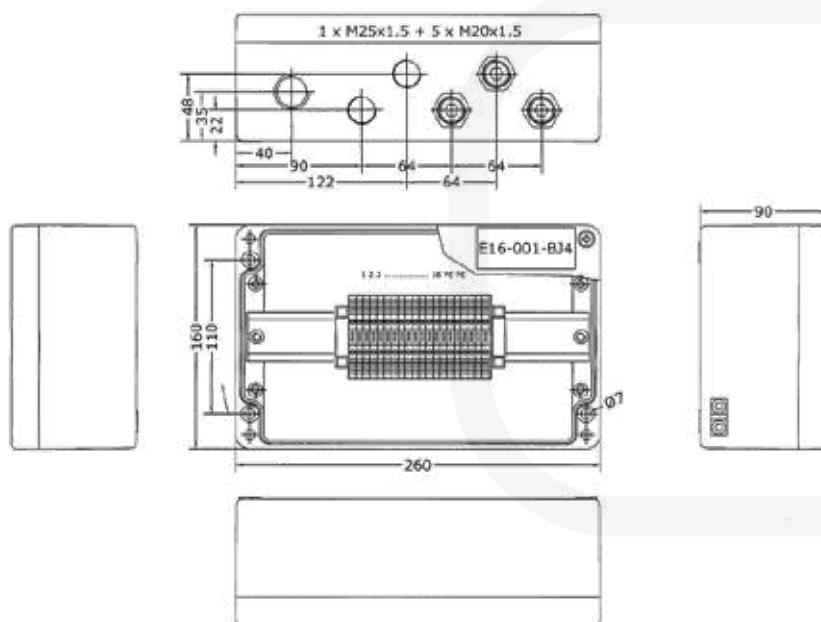
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-E2-02609+18T2,5+1M25+5M20	5A0812

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium Optional tag white background and black text (80x30 mm)
Dimensions:	260x160x90mm
Operating temperature:	-20°C to +40°C
Terminals:	18 x 2,5mm ² + 2 PE
Ingress protection:	IP65
Cable entries:	1x M25x1,5 5x M20x1,5



ALUMINIUM JUNCTION BOX - 7 ENTRIES / 18 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e terminal boxes for hazardous areas.

Manufactured in aluminum.

The enclosure has 1xM25 cable entry on the bottom and 6xM20 entries (3 on each side), and is equipped with 18 2.5mm² terminals + 1 earth bar.



EU-Type Examination Certificate

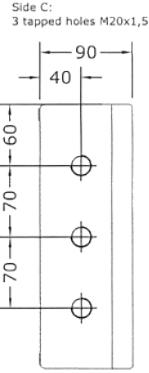
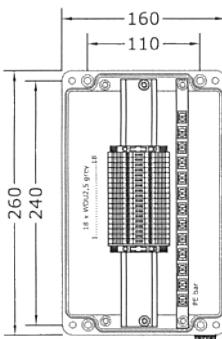
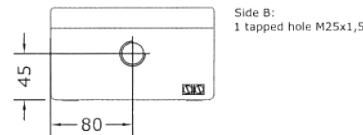
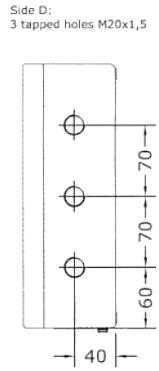


ITEM REFERENCES

Designation:	Item No.:
A21-E2-02609+18T2,5+1M25+6M20	5A0823

DATOS TÉCNICOS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium
Dimensions:	260x160x90mm
Operating temperature:	-20°C to +40°C
Terminals:	18 x 2,5mm ² + 1 earth bar
Ingress protection:	IP65
Cable entries:	1x M25x1,5 6x M20x1,5 (cable glands/plugs not included)



ALUMINIUM JUNCTION BOX - 10 ENTRIES / 36 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e terminal boxes for hazardous areas.

Manufactured in aluminum.

The box has 1xM25 and 9xM20 cable entries, and is equipped with 36 2.5mm² terminals + 6 ground terminals.



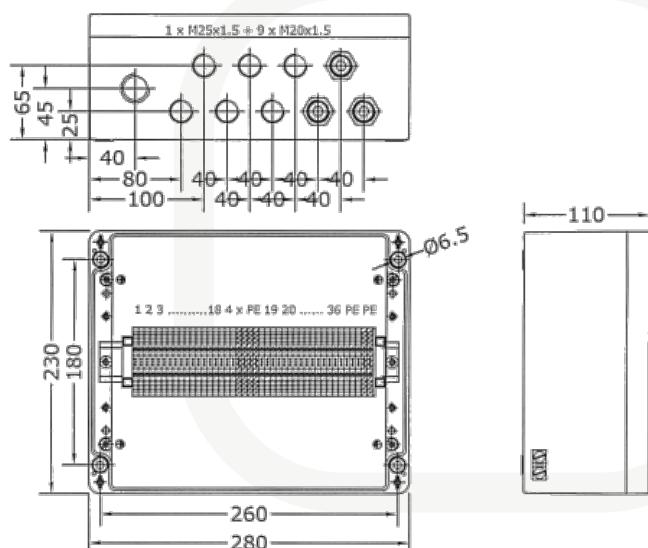
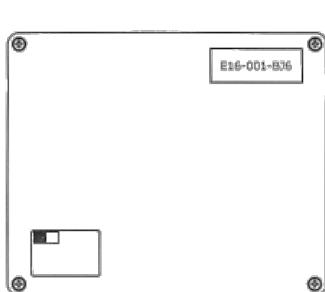
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-E2-02811+36T2,5+1M25+9M20	5A0813

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium Optional tag white background and black text (80x30 mm)
Dimensions:	280x230x110mm
Operating temperature:	-20°C to +40°C
Terminals:	36 x 2,5mm ² + 6 PE
Ingress protection:	IP65
Cable entries:	1x M25x1,5 9x M20x1,5



EX I ALUMINIUM JUNCTION BOX - 6 ENTRIES / 21 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i junction box for hazardous areas.

Manufactured in aluminum.

The box has 1xM25 and 5xM20 cable entries, and is equipped with 21 2.5mm² blue terminals + 2 ground terminals.



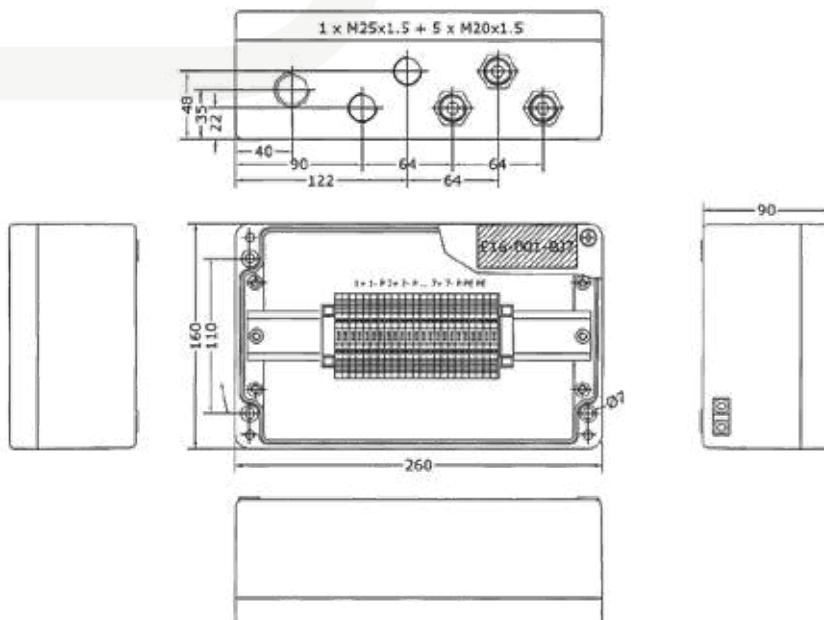
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-I2-02609+21T2,5+1M25+5M20	5A0818

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium Optional tag blue background and white text (80x30 mm)
Dimensions:	260x160x90mm
Operating temperature:	-20°C a +40°C
Terminals:	21 x 2,5mm ² + 2 PE
Ingress protection:	IP65
Cable entries:	1x M25x1,5 5x M20x1,5



EX I ALUMINIUM JUNCTION BOX - 8 ENTRIES / 21 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i junction box for hazardous areas.

Manufactured in aluminum.

The box has 1xM25 and 7xM20 cable entries, and is equipped with 21 2.5mm² blue terminals + 2 ground terminals.

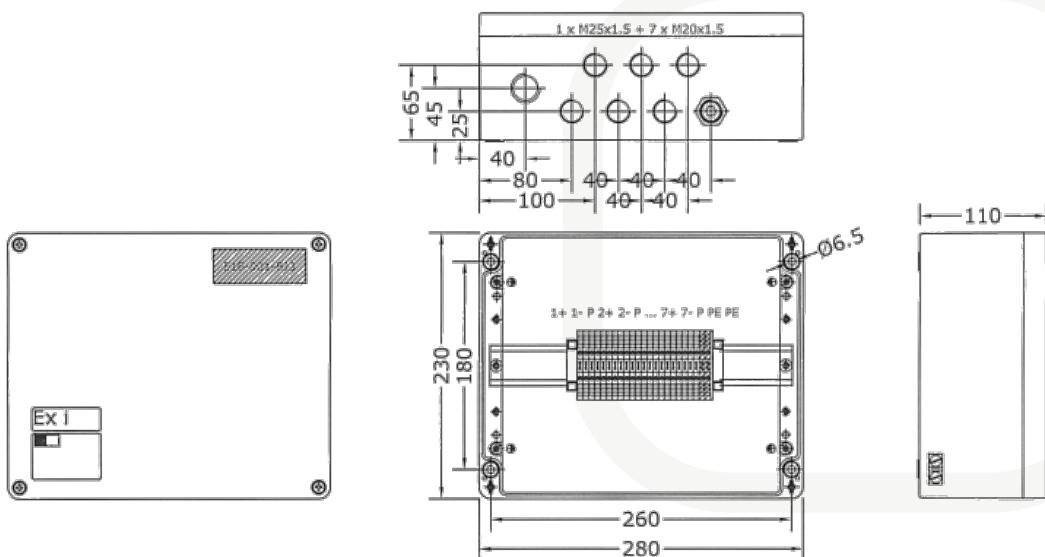
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-E2-02811+21T2,5+1M25+7M20	5A0819

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	CEU-Type Examination Certificate
Housing:	Aluminium Optional tag blue background and white text (80x30 mm)
Dimensions:	280x230x110mm
Operating temperature:	-20°C to +40°C
Terminals:	21 x 2,5mm ² + 2 PE
Ingress protection:	IP65
Cable entries:	1x M25x1,5 7x M20x1,5



EX I ALUMINIUM JUNCTION BOX - 1 ENTRY / 1 EX I CONNECTOR

Zones 1, 2

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas)



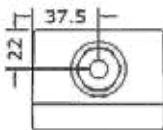
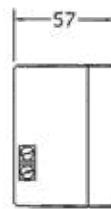
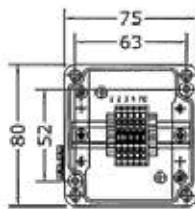
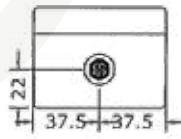
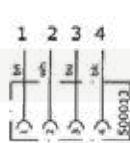
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Configuration:	Item No.:
A21-I2-00806+4T1,5+1M20+1C	1xM20x1,5 EMC cable gland + 1 Flange socket	5A0820

TECHNICAL SPECIFICATIONS

Marking:	Ex II 2(1)G Ex ia IIC T6 Gb
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium
Dimensions:	75x80x57mm
Operating temperature:	-20°C to +40°C
Terminals:	4 x MPT 1,5S/BU (1 external earth connection)
Ingress protection:	IP65
Cable entries:	1xM20x1,5 nickel plated brass EMC cable gland (6-13mm)
Ex i connectors:	1 Flange socket 4 Poles (4 wires length 0,5 m) (plug not included)



EX I ALUMINIUM JUNCTION BOX - 1 ENTRY / 2 EX I CONNECTORS

Zones 1, 2

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas)



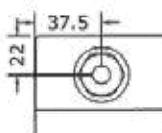
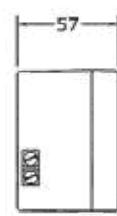
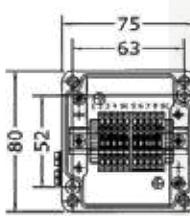
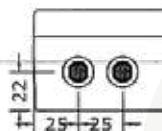
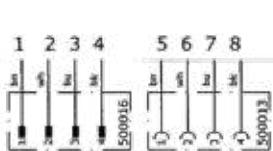
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Configuration:	Item No.:
A21-I2-00806+10T1,5+1M20+2C	1xM20x1,5 EMC cable gland + 1 Flange plug + 1 Flange socket	5A0817

TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex ia IIC T6 Gb
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium
Dimensions:	75x80x57mm
Operating temperature:	-20°C to +40°C
Terminals:	10 x MPT 1,5S/BU (1 external earth connection)
Ingress protection:	IP65
Cable entries:	1xM20x1,5 nickel plated brass EMC cable gland (6-13mm)
Ex i connectors:	1 Flange plug 4 Poles (4 wires length 0,5 m) (coupler not included) 1 Flange socket 4 Poles (4 wires length 0,5 m) (plug not included)



EX I ALUMINIUM JUNCTION BOX - 2 ENTRIES / 7 EX I CONNECTORS

Zones 1, 2

Full catalogue available on our website: www.inpratex.com

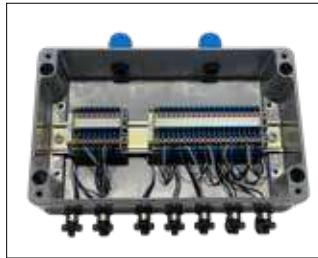
ATEX JUNCTION BOXES

ZONES 1, 2 (gas)



Ex i aluminium junction box certified for use in hazardous areas

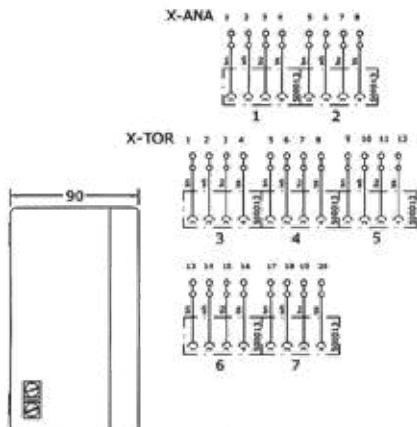
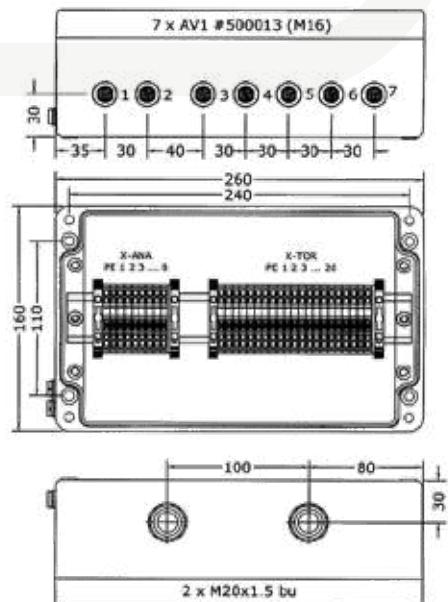
The box is equipped with 2x M20 cable entries and 7x Ex i M12 connectors, and is fitted with 28 blue 2.5mm² terminals and 2 2.5mm² earth terminals inside.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:	Configuration:	Item No.:
A21-I2-02209+28T2,5+2M20+7C	2 blue M20 plastic cable glands + 7 Flange sockets	5A0825

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2(1)G Ex eb [ia Ga] IIC T6 Gb
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium. External earth connection.
Dimensions:	220x120x90 mm
Operating temperature:	-20°C to +40°C
Terminals:	Block 1: 8 blue terminals 2.5mm ² + 1 earth terminal 2.5mm ² Block 2: 20 blue terminals 2.5mm ² + 1 earth terminal 2.5mm ²
Ingress protection:	IP65
Cable entries:	2x M20x1,5 blue plastic cable glands (7-13mm)
Ex i connectors:	7 flange sockets 4 Poles (4 wires length 200 mm) (plugs not included)



4.2

GRP TERMINAL BOXES



CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



EU-Type Examination Certificate

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

GRP (glass-reinforced polyester) junction box range, suitable for use within ATEX-rated Ex e Increased Safety areas. Supplied fully assembled and certified, please confirm your terminal and gland size/s and quantity requirements when enquiring.

ITEM REFERENCES															
Max. number of terminals:						Max. number of cable entries (plastic glands):						Item No.: 5A0201..xx*			
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	
Number:	7	0	0	0	0	0	A	2	2	1	0	0	0	0	
							B	2	2	1	0	0	0	0	
							C	1	1	0	0	0	0	0	
							D	1	1	0	0	0	0	0	

- * The following should be attached to the reference of each box size:
- 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
- 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.

The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex e II T4/T6 Gb II 2G Ex ia IIC T6 Gb II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	80x75x55 mm
Ingress protection:	IP65
Weight:	230 g (empty)
Colour:	RAL 9005

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4

Ex

CONTROL & CONNECTION EQUIPMENT

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES										Item No.:					
Max. number of terminals:							Max. number of cable entries (plastic glands):								
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	
Number:	13	0	0	0	0	0	A	3	3	2	0	0	0	0	5A0202..xx*
							B	3	3	2	0	0	0	0	
							C	1	1	0	0	0	0	0	
							D	1	1	0	0	0	0	0	

Front view dimensions: 110 (width), 55 (height), 75 (depth). Terminals: F, E, G.

Side view dimensions: 110 (width), 63 (height), 75 (depth). Terminals: A, B, C, D.

* The following should be attached to the reference of each box size:

- 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
- 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.

The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex e II T4/T6 Gb II 2G Ex ia IIC T6 Gb II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	110x75x55 mm
Ingress protection:	IP65
Weight:	295 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



CONTROL & CONNECTION EQUIPMENT

ITEM REFERENCES							Max. number of terminals:						Max. number of cable entries (plastic glands):		Item No.:
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	5A0203..xx*
Number:	22	0	0	0	0	0	A	5	4	3	0	0	0	0	
							B	5	4	3	0	0	0	0	
							C	1	1	0	0	0	0	0	
							D	1	1	0	0	0	0	0	

* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	160x75x55 mm
Ingress protection:	IP65
Weight:	405 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

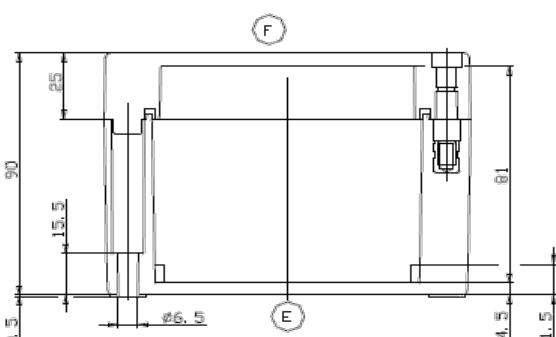
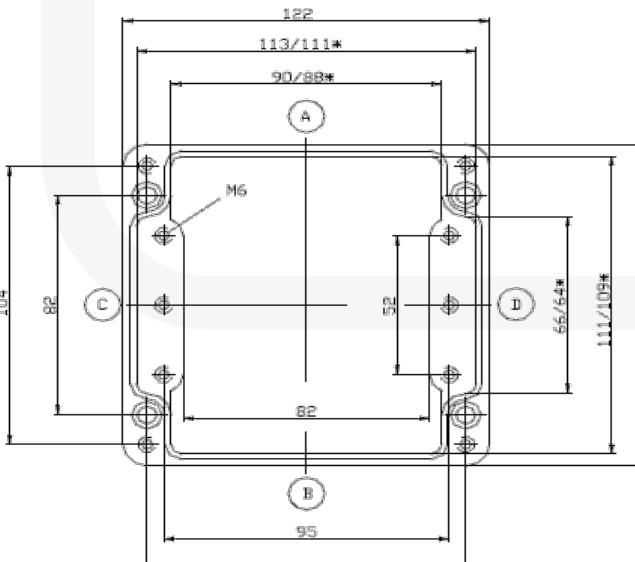
Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES														Item No.: 5A0204..xxx*	
Max. number of terminals:							Max. number of cable entries (plastic glands):								Item No.: 5A0204..xxx*
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	
Number:	16	13	10	6	0	0	A	5	4	3	2	1	0	0	
							B	5	4	3	2	1	0	0	
							C	3	2	2	1	0	0	0	
							D	3	2	2	1	0	0	0	

* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex e II T4/T6 Gb  II 2G Ex ia IIC T6 Gb  II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	122x120x90 mm
Ingress protection:	IP65
Weight:	750 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



ITEM REFERENCES							Max. number of terminals:							Item No.: 5A0205..xx*
Max. number of terminals:							Max. number of cable entries (plastic glands):							Item No.: 5A0205..xx*
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63
Number:	22	18	13	11	9	0	A	8	6	4	2	2	1	0
							B	8	6	4	2	2	1	0
							C	4	3	2	2	1	0	0
							D	4	3	2	2	1	0	0

* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	160x160x91 mm
Ingress protection:	IP65
Weight:	1130 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

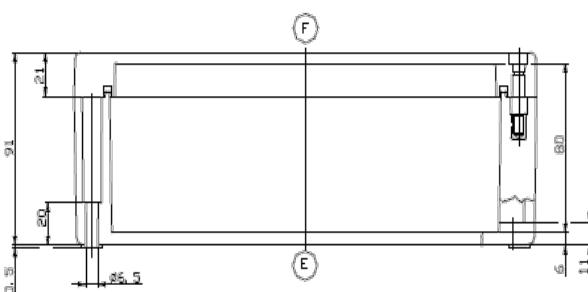
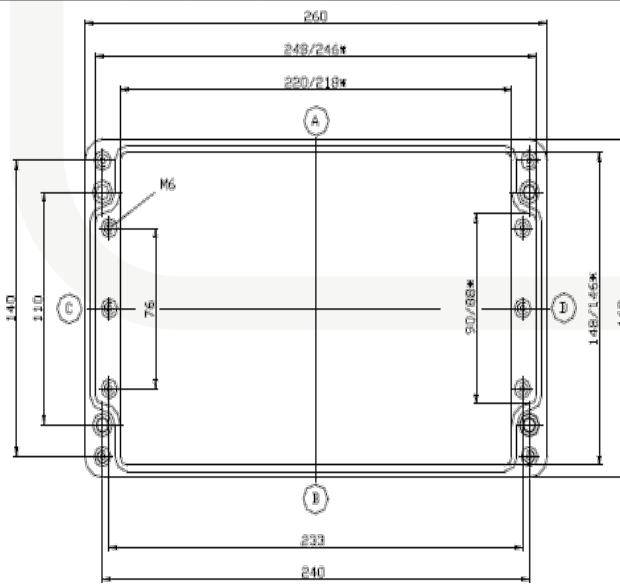
Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES											Max. number of cable entries (plastic glands):					Item No.: 5A0206.xx*		
Max. number of terminals:							Max. number of cable entries (plastic glands):										Item No.: 5A0206.xx*	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63				
Number:	42	35	26	21	17	0	A	15	12	8	4	3	3	0				
							B	15	12	8	4	3	3	0				
							C	4	3	2	2	1	0	0				
							D	4	3	2	2	1	0	0				

* The following should be attached to the reference of each box size:

1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)

2 - Size and number of cable entries:

- For unarmoured cable, it may never exceed the maximum quantity shown in the table.
- If armoured cable is used, the number of entries must be defined in each case.

The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	  
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	260x160x91 mm
Ingress protection:	IP65
Weight:	1710 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



ITEM REFERENCES										Max. number of cable entries (plastic glands):				
Max. number of terminals:						Max. number of cable entries (plastic glands):					Item No.: 5A0207..xx*			
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63
Number:	62	51	38	31	25	0	A	23	18	11	7	5	4	0
							B	23	18	11	7	5	4	0
							C	4	3	2	2	1	0	0
							D	4	3	2	2	1	0	0

* The following should be attached to the reference of each box size:
1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
2 - Size and number of cable entries:
- For unarmoured cable, it may never exceed the maximum quantity shown in the table.
- If armoured cable is used, the number of entries must be defined in each case.
The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	360x160x91 mm
Ingress protection:	IP65
Weight:	2150 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES											Max. number of cable entries (plastic glands):					Item No.: 5A0208.xx*		
Max. number of terminals:							Max. number of cable entries (plastic glands):										Item No.: 5A0208.xx*	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63				
Number:	80	66	25	20	16	12	A	23	17	11	7	4	3	3				
							B	23	17	11	7	4	3	3				
							C	14	10	8	4	3	2	2				
							D	14	10	8	4	3	2	2				

Front View Dimensions:

- Height: 120
- Width: 255
- Depth: 110
- Terminals: F, E, G

Side View Dimensions:

- Height: 250
- Width: 255
- Depth: 110
- Terminals: A, B, C, D

* The following should be attached to the reference of each box size:

- 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
- 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.

The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex e II T4/T6 Gb II 2G Ex ia IIC T6 Gb II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	255x250x120 mm
Ingress protection:	IP65
Weight:	2650 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



CONTROL & CONNECTION EQUIPMENT

ITEM REFERENCES										Max. number of cable entries (plastic glands):					Item No.:
Max. number of terminals:						Max. number of cable entries (plastic glands):									Item No.:
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	
Number:	140	116	43	35	29	21	A	38	27	17	13	6	5	4	5A0209..xx*
							B	38	27	17	13	6	5	4	
							C	14	10	8	4	3	2	2	
							D	14	10	8	4	3	2	2	

Front View Dimensions:

- Height: 120 mm
- Width: 250 mm
- Depth: 120 mm
- Terminal F: Top
- Terminal E: Bottom

Side View Dimensions:

- Height: 230 mm
- Width: 380 mm
- Depth: 250 mm
- Terminal A: Top
- Terminal B: Bottom
- Terminal C: Left
- Terminal D: Right

* The following should be attached to the reference of each box size:

- 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
- 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.

The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex e II T4/T6 Gb II 2G Ex ia IIC T6 Gb II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	400x250x120 mm
Ingress protection:	IP65
Weight:	3650 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

ITEM REFERENCES											Max. number of cable entries (plastic glands):					Item No.: 5A0210.xx*		
Max. number of terminals:							Max. number of cable entries (plastic glands):										Item No.: 5A0210.xx*	
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63				
Number:	210	174	86	35	29	21	A	38	27	17	13	6	5	4				
							B	38	27	17	13	6	5	4				
							C	29	20	15	7	5	4	4				
							D	29	20	15	7	5	4	4				

* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex e II T4/T6 Gb II 2G Ex ia IIC T6 Gb II 2D Ex tD A21 IP65 T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	400x405x120 mm
Ingress protection:	IP65
Weight:	5580 g (empty)
Colour:	RAL 9005

CONFIGURABLE EX E GRP JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The number of cable entries and the number of terminals is configurable according to the customer's needs. The boxes are supplied finished, with the necessary terminals and with the cable entries already made.

We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

4



ITEM REFERENCES										Max. number of cable entries (plastic glands):					Item No.: 5A0211..xx*
Max. number of terminals:						Max. number of cable entries (plastic glands):					Item No.: 5A0211..xx*				
Type:	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	Size:	M16	M20	M25	M32	M40	M50	M63	
Number:	220	182	68	55	45	34	A	84	52	24	18	10	6	4	
							B	84	52	24	18	10	6	4	
							C	14	10	8	4	3	2	2	
							D	14	10	8	4	3	2	2	

* The following should be attached to the reference of each box size:
 1 - Type and number of terminals required (never exceed the maximum quantity shown in the table)
 2 - Size and number of cable entries:
 - For unarmoured cable, it may never exceed the maximum quantity shown in the table.
 - If armoured cable is used, the number of entries must be defined in each case.
 The value 0 indicates that this type of terminal / cable entry size can't be used in this box model

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C
Dimensions:	600x250x120 mm
Ingress protection:	IP65
Weight:	5380 g (empty)
Colour:	RAL 9005

GRP JUNCTION BOX 2 CABLE ENTRIES - 2 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

Equipped with 2 cable entries and 2x 2,5mm² + 1 PE terminals.



EU-Type Examination Certificate

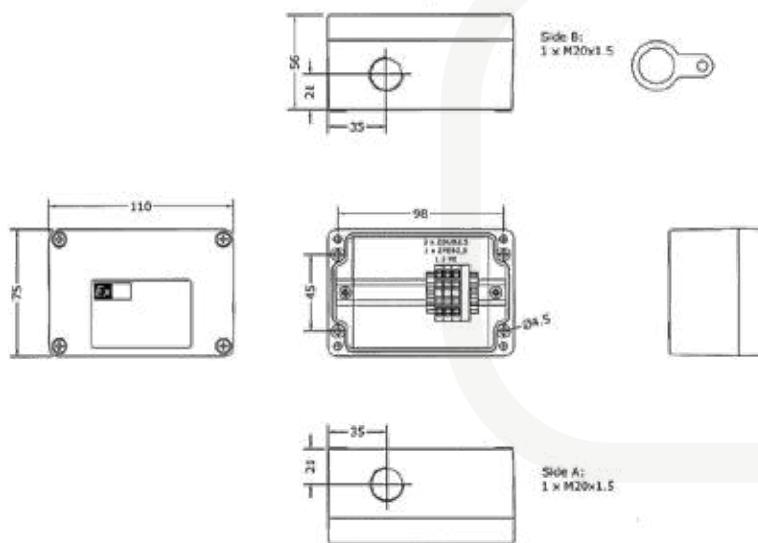


ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E1-01106+2T2,5+2M20	Without cable glands	5A1003
A21-E1-01106+2T2,5+1PM20+1PAM20	1 plastic cable gland (4-13 mm) + 1 brass cable gland (9-15,5 mm)	5A1004
A21-E1-01106+2T2,5+1PM20+1PANM20	1 plastic cable glands (4-13 mm) + 1 nickel plated brass cable gland (9-15,5 mm)	5A1005

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	110x75x55 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 550V
Rated current:	max. 21 A
Terminals:	2 x 2,5mm ² + 1 PE
Ingress protection:	IP65
Cable entries:	2xM20x1,5



GRP JUNCTION BOX 2 CABLE ENTRIES - 6 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

4



CONTROL & CONNECTION EQUIPMENT



GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

The box is equipped with 2 cable entries M16x1.5 and 6 2.5mm² terminals + 1 PE terminal inside.

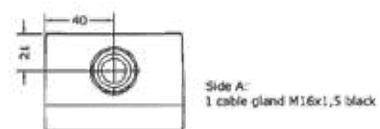
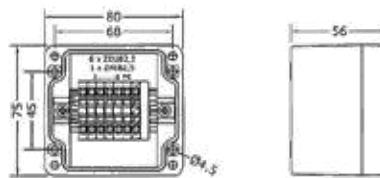


ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E1-00806+6T2,5+2PM16	2 plastic cable glands (4-9 mm)	5A1101

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	80x75x55mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 14 A
Terminals:	6 x 2,5mm ² + 1 PE
Ingress protection:	IP65
Cable entries:	2xM16x1,5 plastic cable glands for non-armoured cable



GRP JUNCTION BOX 4 CABLE ENTRIES - 4 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

Equipped with 4 cable entries and 4x 2,5mm² + 2 PE terminals.



EU-Type Examination Certificate

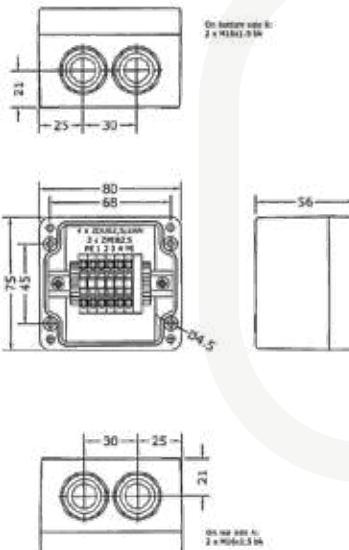


ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E1-00806+4T2,5+4PM16	4 Plastic cable glands (4-9 mm)	5A1102

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	80x75x55 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 550V
Rated current:	max. 16 A
Terminals:	4 x 2,5mm ² + 2 PE
Ingress protection:	IP65
Cable entries:	4xM16x1,5 plastic cable glands for non-armoured cable



GRP JUNCTION BOX 4 CABLE ENTRIES - 12 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



* Supplied without cable glands and plugs

GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

Equipped with 4 cable entries and 12 terminals 2,5mm² + 2 PE Terminals.



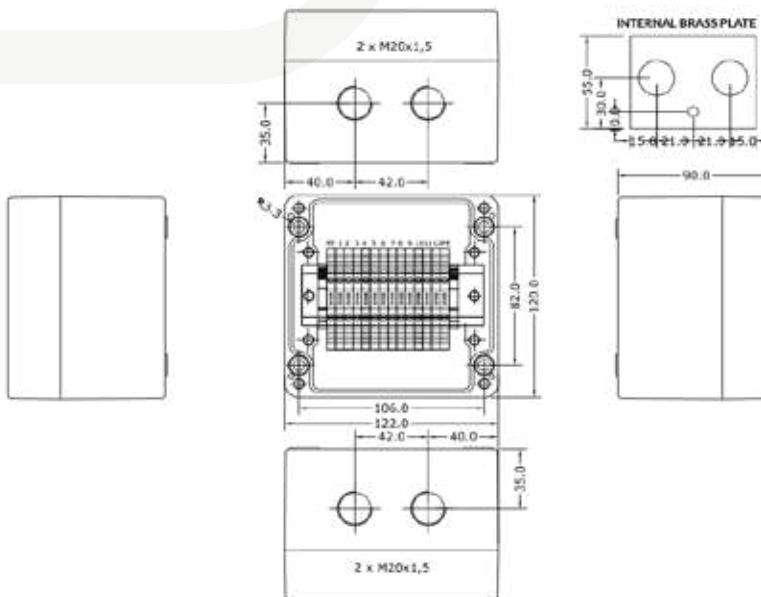
EU-Type Examination Certificate



ITEM REFERENCES	
Designation:	Item No.:
A21-E1-01209+12T2,5+4M20	5A0601
3 mm inner grounding plate for armoured cable	5A0602

TECHNICAL SPECIFICATIONS

Marking:	Ex II 2G Ex e IIC T6 Gb Ex II 2D Ex tb IIIC T80°C
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	122x120x90 mm
Operating temperature:	-40°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 13 A
Terminals:	12 x 2,5mm ² + 2 PE
Ingress protection:	IP65
Cable entries:	4xM20x1,5 (Supplied without cable glands and plugs)



GRP JUNCTION BOX 3 CABLE ENTRIES - 8 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

Equipped with 3 cable entries and 8x 2,5mm² + 2 PE terminals.



EU-Type Examination Certificate

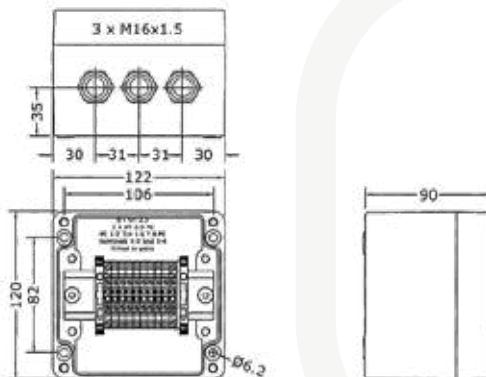


ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E1-01209+8T2,5+3PM16	3 Plastic cable glands (4-9 mm)	5A1105

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	122x120x90 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 15 A
Terminals:	8 x 2,5mm ² + 2 PE
Ingress protection:	IP65
Cable entries:	3xM16x1,5 plastic cable glands for non-armoured cable



GRP JUNCTION BOX 6 CABLE ENTRIES - 6 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

Equipped with 6 cable entries and 6x 2,5mm² + 3 PE terminals.



EU-Type Examination Certificate

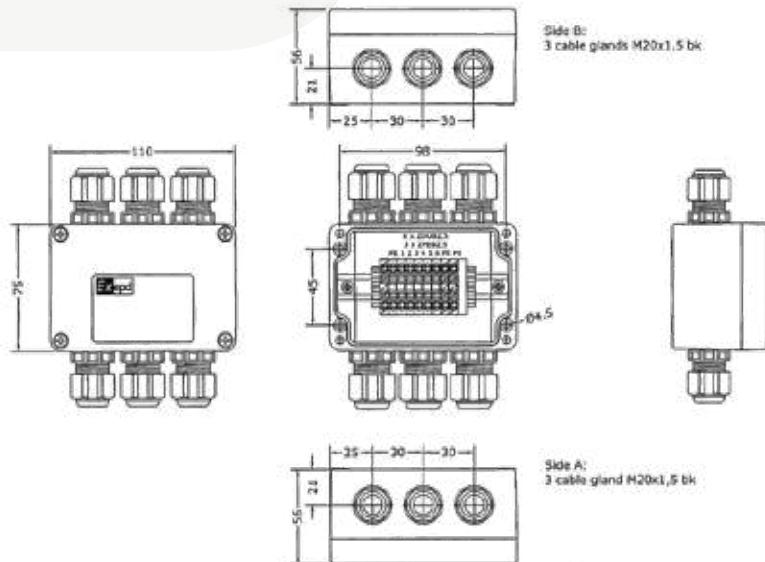


ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E1-01106+6T2,5+6PM20	6 Plastic cable glands (7-13 mm)	5A1103

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	110x75x55 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 550V
Rated current:	max. 14 A
Terminals:	6 x 2,5mm ² + 3 PE
Ingress protection:	IP65
Cable entries:	6xM20x1,5 plastic cable glands for non-armoured cable



GRP JUNCTION BOX 6 CABLE ENTRIES - 9 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

Equipped with 6 cable entries and 9x 2,5mm² + 3 PE terminals.



EU-Type Examination Certificate

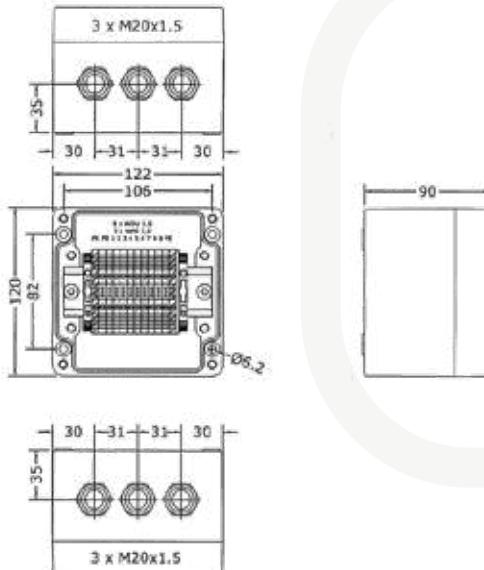


ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E1-01206+9T2,5+6PM20	6 Plastic cable glands (7-13 mm)	5A1104

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	122x120x90mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 14 A
Terminals:	9 x 2,5mm ² + 3 PE
Ingress protection:	IP65
Cable entries:	6xM20x1,5 plastic cable glands for non-armoured cable



GRP JUNCTION BOX 4 CABLE ENTRIES - 19 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



* Supplied without cable glands and plugs

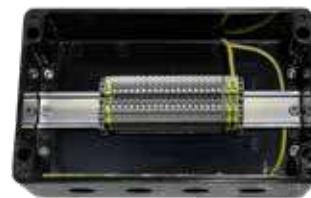
ATEX junction boxes certified for installation in hazardous areas.

Manufactured in Glass Reinforced Polyester (GRP)

The box is configured with 4 unplugged M25x1.5 cable entries, and is equipped with 19 2.5mm² terminals, 3 grounding terminals and a brass grounding plate inside.



EU-Type Examination Certificate

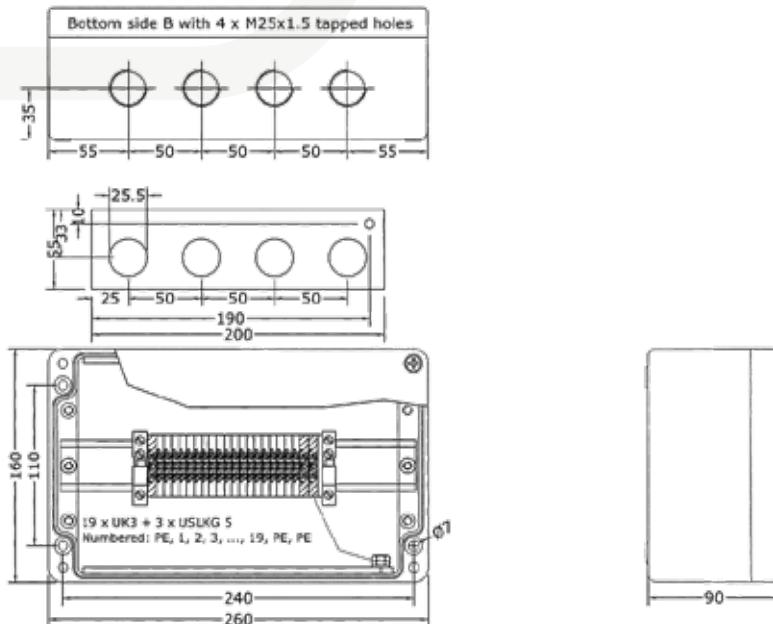


ITEM REFERENCES

Designation:	Item No.:
A21-E1-02609+19T2,5+4M25	5A1001

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	260x160x90 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 10 A
Terminals:	19 x 2,5mm ² + 3 PE
Ingress protection:	IP66
Cable entries:	4xM25x1,5 (Cable glands / plugs not included)



ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX junction boxes certified for installation in hazardous areas.

Manufactured in Glass Reinforced Polyester (GRP)

The box is configured with 4 unplugged M25x1.5 and 1 M32x1,5 cable entries, and is equipped with 20 2.5mm² terminals, 3 grounding terminals and a brass grounding plate inside.



EU-Type Examination Certificate



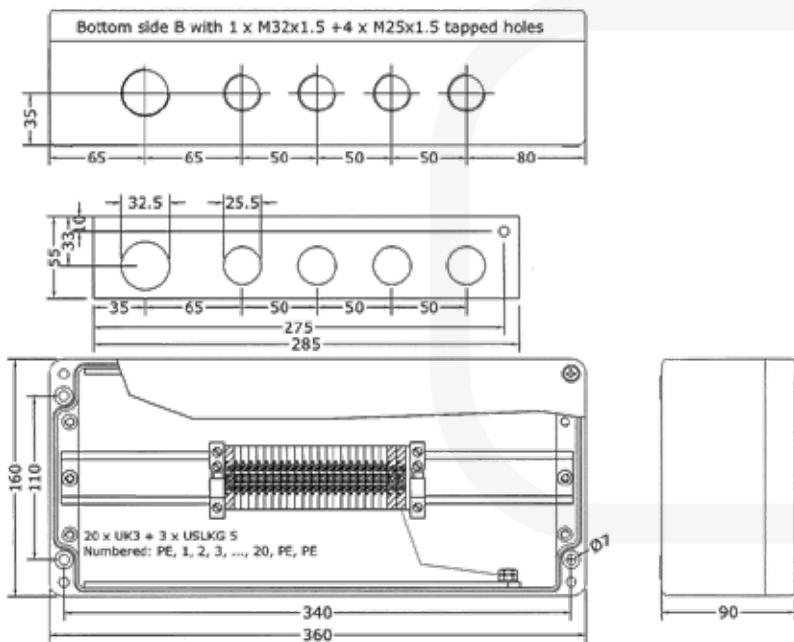
* Supplied without cable glands and plugs

ITEM REFERENCES

Designation: A21-E1-03609+20T2,5+4M25+1M32	Item No.: 5A1002
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TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex eb IIC T6 Gb  II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	360x160x90 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 10 A
Terminals:	20 x 2,5mm ² + 3 PE
Ingress protection:	IP66
Cable entries:	4xM25x1,5 1xM32x1,5 (Cable glands / plugs not included)



GRP JUNCTION BOX 10 CABLE ENTRIES - 14 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



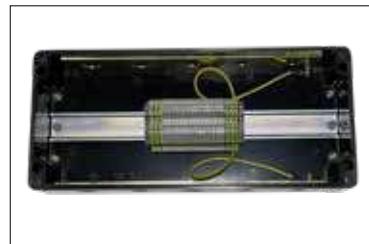
* Supplied without cable glands and plugs

ATEX junction boxes certified for installation in hazardous areas.
Manufactured in Glass Reinforced Polyester (GRP)

The box is configured with 3xM20x1.5 and 2xM25x1.5 entries on its upper side, and 2xM20x1.5 and 3xM25x1.5 entries on its lower side, and is equipped with 14 2.5mm² terminals, 6 grounding terminals and a 2 brass grounding plates inside.



EU-Type Examination Certificate

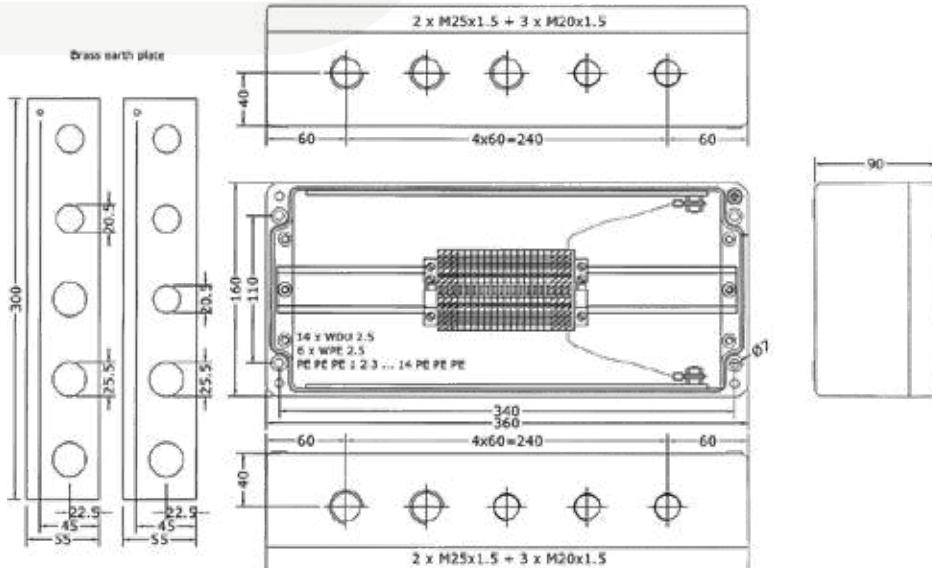


ITEM REFERENCES

Designation:	Item No.:
A21-E1-03609+14T2,5+5M20+5M25	5A0816

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	360x160x90 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 12 A
Terminals:	14 x 2,5mm ² + 6 PE
Ingress protection:	IP65
Cable entries:	Upper side: 3xM20x1,5, 2xM25x1,5 (Cable glands / plugs not included) Bottom side: 2xM20x1,5, 3xM25x1,5 (Cable glands / plugs not included)



GRP JUNCTION BOX 2 CABLE ENTRIES - 3 TERMINALS 35MM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



GRP (glass-reinforced polyester) junction box, suitable for use within ATEX rated Ex e Increased Safety areas.

Equipped with 2 cable entries and 3x 35mm² + 1 PE terminals.



EU-Type Examination Certificate

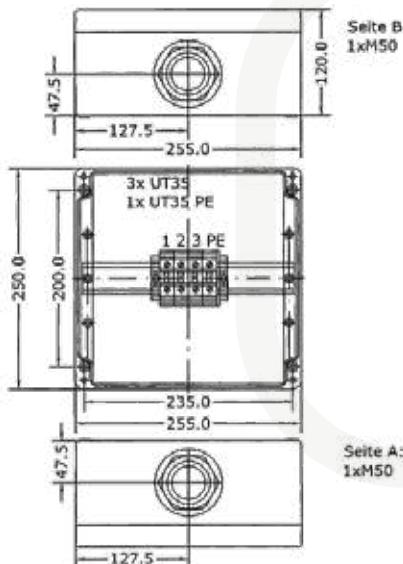


ITEM REFERENCES

Designation:	Cable glands:	Item No.:
A21-E1-02612+3T35+2PM50	2 Plastic cable glands (23-35 mm)	5A0821

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	255x250x120 mm
Operating temperature:	-20°C to +40°C
Rated voltage:	max. 500V
Rated current:	max. 80 A
Terminals:	3x 35mm ² + 1 PE
Ingress protection:	IP65
Cable entries:	2xM50x1,5 plastic cable glands for non-armoured cable



GRP JUNCTION BOX ZONE 2,22 - 4 ENTRIES ARMOURED CABLE

Zones 2, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 2 (gas) & 22 (dust)



Declaration of Conformity



ATEX junction box for hazardous areas (Zones 2,22).

Manufactured in fibreglass reinforced polyester.

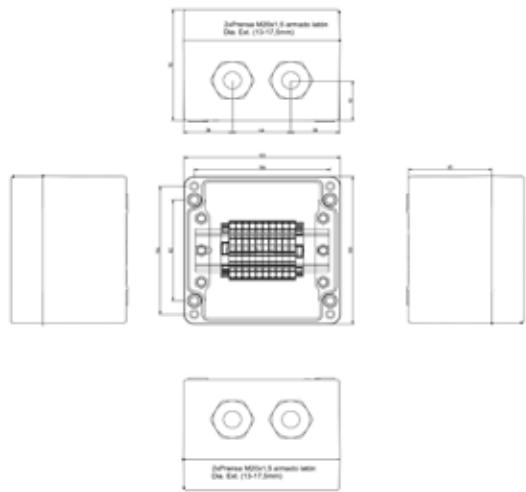
It is equipped with 4 M20x1,5 entries for armoured cable, 6 x 2,5mm² terminals and 4x2,5mm² PE terminals.

ITEM REFERENCES

Designation:	Cable entries:	Item No.:
Junction Box EX 12212090 GRP L	4 x M20x1,5 brass cable gland (14-20,5 mm)	5A0701
Junction Box EX 12212090 GRP LN	4 x M20x1,5 nickel plated brass cable gland (14-20,5 mm)	5A0702
Junction Box EX 12212090 GRP TP	4 x M20x1,5 plastic cable glands (Grounding plates included)	5A0703

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	Declaration of conformity
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	122x120x90 mm
Operating temperature:	-20°C to +60°C -50°C to +60°C (Whenever permitted by the terminal used)
Terminals:	6 x 2,5mm ² with jumpers (1, 2/3, 4/5, 6) + 4 PE terminals 2,5mm ² (PE)
Ingress protection:	IP66 IK08
Cable entries:	4xM20x1,5 brass cable glands for armoured cable / plugs



GRP JUNCTION BOX ZONE 2,22 - 4 ENTRIES NON ARMOURED CABLE

Zones 2, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 2 (gas) & 22 (dust)



ATEX junction box for hazardous areas (Zones 2,22).

Manufactured in fibreglass reinforced polyester.

It is equipped with 4 M20x1,5 entries for non armoured cable, 6 x 2,5mm² terminals and 4 x 2,5mm² PE terminals.



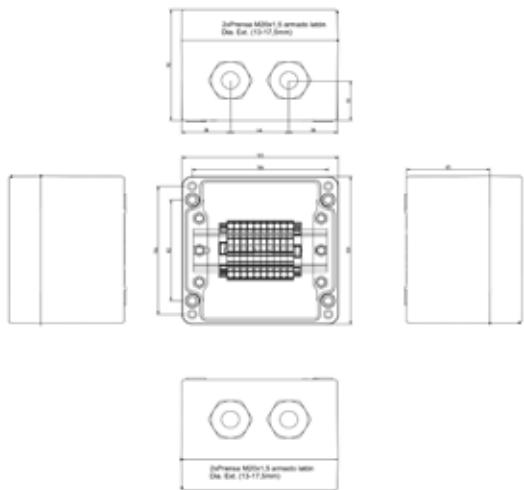
Declaration of Conformity

ITEM REFERENCES

Designation:	Cable entries:	Item No.:
Junction Box EX 12212090 GRP P	4 x M20x1,5 plastic cable glands (7-13 mm)	5A0704
Junction Box EX 12212090 GRP T	4 x M20x1,5 plastic plugs	5A0705

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	Declaration of conformity
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	122x120x90 mm
Operating temperature:	-20°C to +60°C -50°C to +60°C (Whenever permitted by the terminal used)
Terminals:	6 x 2,5mm ² with jumpers (1, 2/3, 4/5, 6) + 4 PE terminals 2,5mm ² (PE)
Ingress protection:	IP66 IK08
Cable entries:	4xM20x1,5 plastic cable glands for non armoured cable / plugs



GRP EX I JUNCTION BOX - 2 ENTRIES / 2 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 2 cable entries with blue polyamide glands M20x1.5 and is equipped with 2x2.5mm² blue terminals + 1 earth terminal.



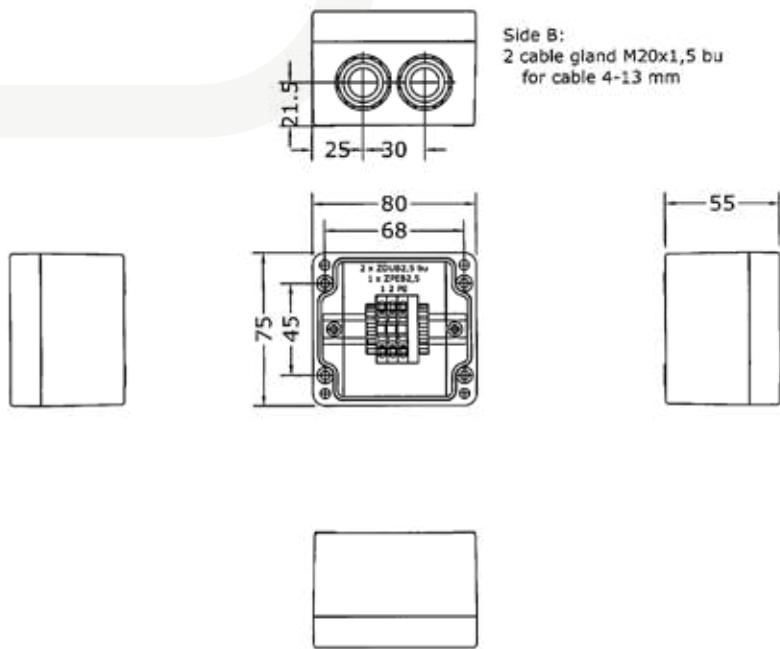
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-I1-Z1246+2T2,5+2M20	5A0802

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	80x75x55 mm
Operating temperature:	-20°C to +40°C
Terminals:	2 x 2,5mm ² + 1 PE
Ingress protection:	IP66
Cable entries:	2xM20x1,5 plastic blue cable glands (7-13 mm)



GRP EX I JUNCTION BOX - 2 ENTRIES / 4 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex I junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 2 cable entries with blue polyamide glands M16x1.5 or M20x1,5 and is equipped with 4x2.5mm² blue terminals + 1 earth terminal.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:	Cable entries:	Item No.:
A21-I1-00806+4T2,5+2M16	2xM16 blue plastic cable glands (4-10 mm)	5A0824
A21-I1-00806+4T2,5+2M20	2xM20 blue plastic cable glands (7-13 mm)	5A0824A

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2(1)G Ex eb [ia Ga] IIC T6 Gb Ex II 2(1)D Ex tb [ia Da] IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	80x75x55 mm
Operating temperature:	-20°C to +40°C
Terminals:	4 x 2,5mm ² + 1 PE
Ingress protection:	IP65

DIMENSIONS	
M16x1,5 CABLE ENTRIES	M20x1,5 CABLE ENTRIES
<p>Side B: 2 cable glands M16x1,5 blue</p>	<p>Side B: 2 cable gland M20x1,5 bu for cable 4-13 mm</p>

GRP EX I JUNCTION BOX - 3 ENTRIES / 4 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 3 cable entries with blue polyamide glands M20x1.5 and is equipped with 4x2.5mm² blue terminals + 1 earth terminal.



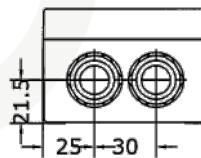
EU-Type Examination Certificate

ITEM REFERENCES

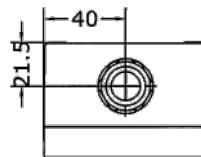
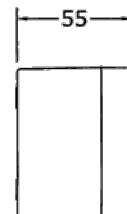
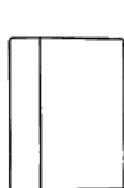
Designation:	Item No.:
A21-I1-Z1245+4T2,5+3M20	5A0803

TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex e [ia] IIC T6 Gb II 2D Ex tb IIIC T80°C
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	80x75x55 mm
Operating temperature:	-20°C to +40°C
Terminals:	4 x 2,5mm ² + 1 PE
Ingress protection:	IP66
Cable entries:	3xM20x1,5 plastic blue cable glands (7-13 mm)



Side B:
2 cable gland M20x1,5 bu
for cable 4-13 mm



Side A:
1 cable gland M20x1,5 bu
for cable 4-13 mm

GRP EX I JUNCTION BOX - 4 ENTRIES / 6 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 4 cable entries with blue polyamide glands M20x1.5 and is equipped with 6x2.5mm² blue terminals + 1 earth terminal.



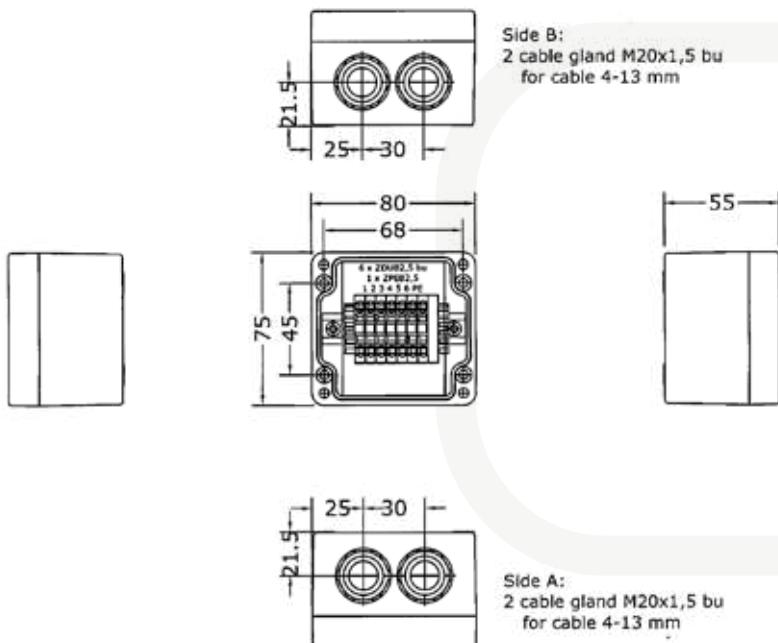
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-I1-Z1244+6T2,5+4M20	5A0801

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	80x75x55 mm
Operating temperature:	-20°C to +40°C
Terminals:	6 x 2,5mm ² + 1 PE
Ingress protection:	IP66
Cable entries:	4xM20x1,5 plastic blue cable glands (7-13 mm)



GRP EX I JUNCTION BOX - 4 ENTRIES / 4 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 4 cable entries with blue polyamide glands M20x1.5 and is equipped with 4x2.5mm² blue terminals + 2 earth terminals.



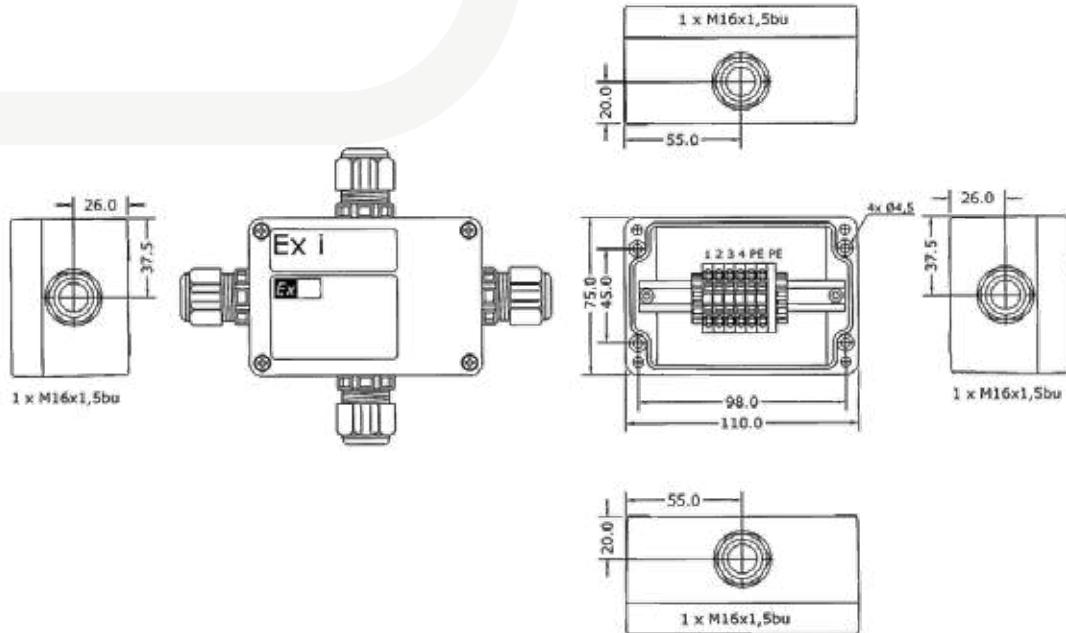
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-I1-01106+4T2,5+4M20	5A0804

TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex eb [ia Ga] IIC T6 Gb II 2D Ex tb [ia Da] IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	110x75x55 mm
Operating temperature:	-20°C to +40°C
Terminals:	4 x 2,5mm ² + 2 PE
Ingress protection:	IP66
Cable entries:	4xM20x1,5 plastic blue cable glands (7-13 mm)



ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 4 cable entries with blue polyamide glands M16x1.5 and is equipped with 10x2.5mm²blue terminals + 2 earth terminals.

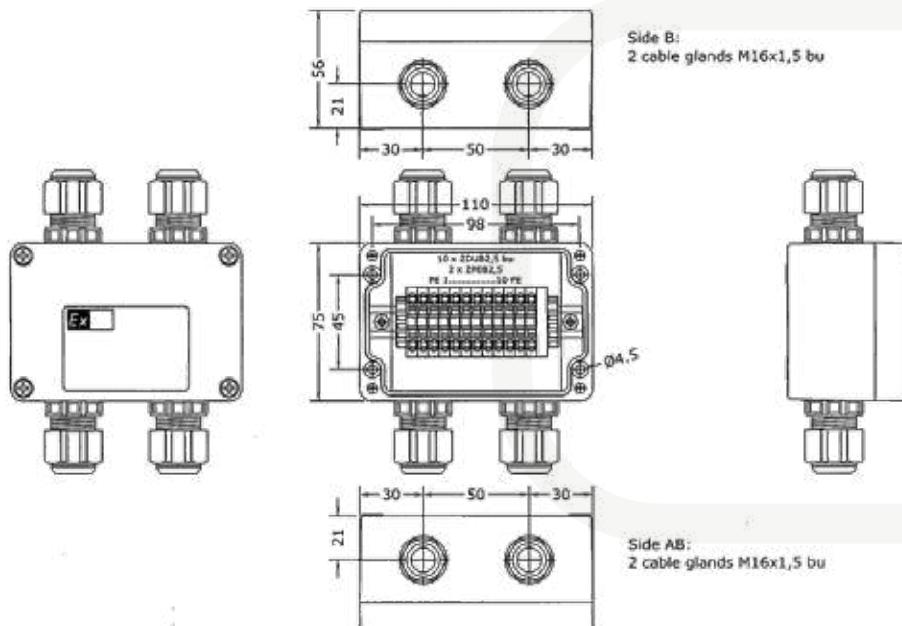


ITEM REFERENCES

Designation:	Item No.:
A21-I1-01106+10T2,5+4M16	5A0815

TECHNICAL SPECIFICATIONS

Marking:	  II 2(1)G Ex eb [ia Ga] IIC T6 Gb II 2(1)D Ex tb [ia Da] IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	110x75x55 mm
Operating temperature:	-20°C to +40°C
Terminals:	10 x 2,5mm ² + 2 PE
Ingress protection:	IP65
Cable entries:	4xM16x1,5 plastic blue cable glands (4-9 mm)



GRP EX I JUNCTION BOX - 5 ENTRIES / 9 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

4



Ex i junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 5 cable entries with blue polyamide glands M20x1.5 and is equipped with 9x2.5mm² blue terminals + 3 earth terminals.



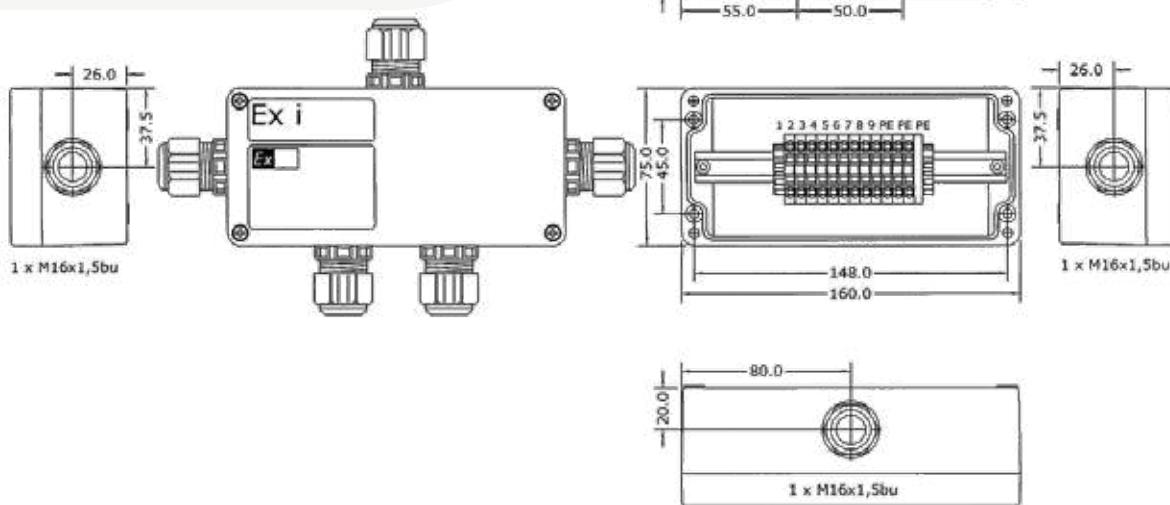
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-I1-01606+9T2,5+5M20	5A0805

TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex eb [ia Ga] IIC T6 Gb II 2D Ex tb [ia Da] IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	160x75x55 mm
Operating temperature:	-20°C to +40°C
Terminals:	9 x 2,5mm ² + 3 PE
Ingress protection:	IP66
Cable entries:	5xM20x1,5 plastic blue cable glands (7-13 mm)



GRP EX I JUNCTION BOX - 20 ENTRIES / 36 TERMINALS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i junction box for hazardous areas.

Made of glass fiber reinforced polyester.

The box includes 2 cable entries with blue polyamide glands M32x1.5, 18 entries M20x1.5 and is equipped with 36x2.5mm² blue terminals + 10 earth terminals.



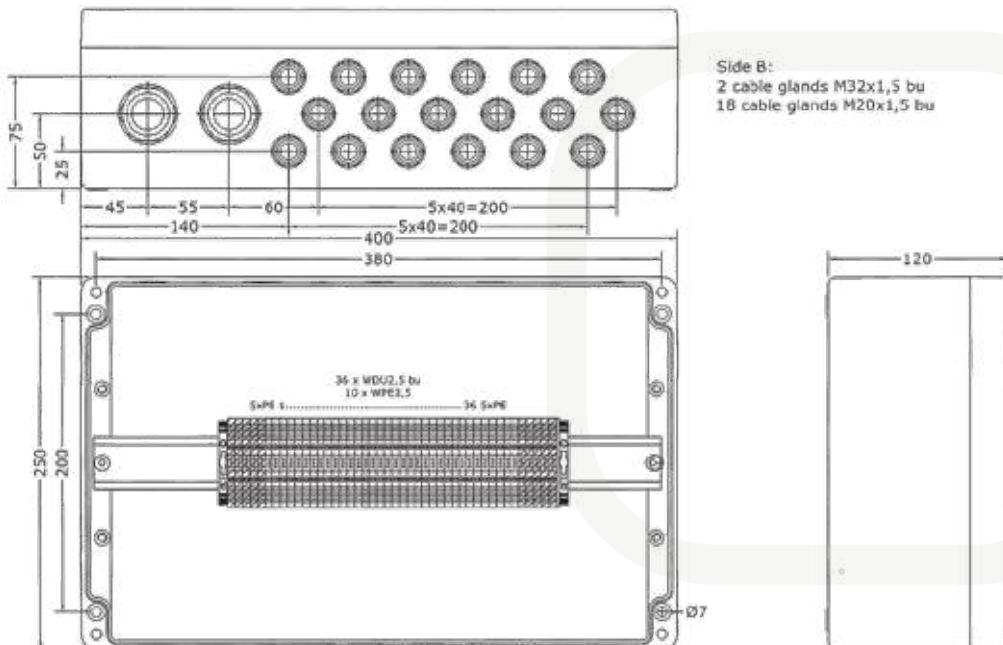
EU-Type Examination Certificate

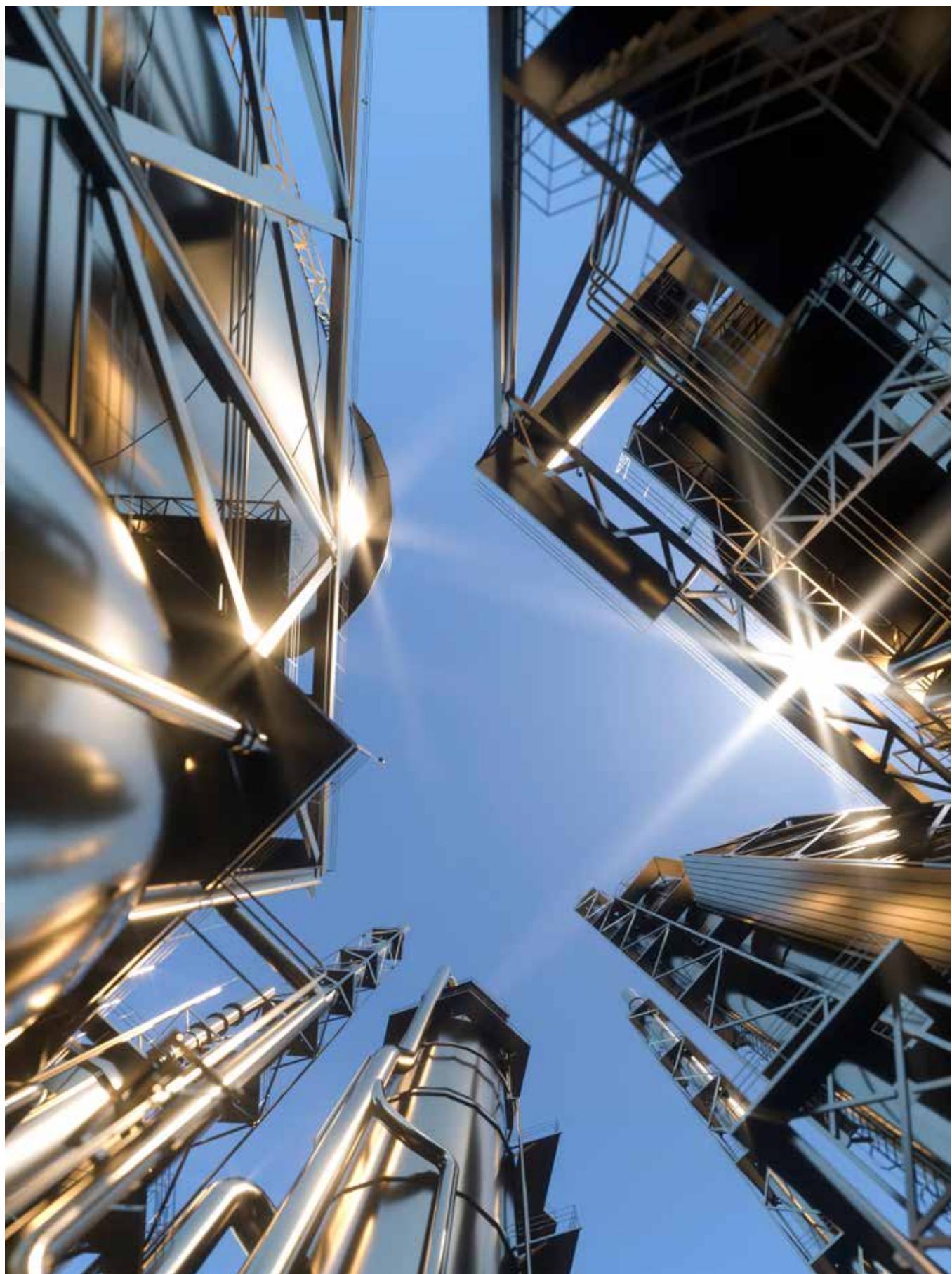
ITEM REFERENCES

Designation:	Referencia:
A21-I1-04012+36T2,5+2M32+18M20	5A0814

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Glass Reinforced Polyester (GRP)
Dimensions:	400x250x120 mm
Operating temperature:	-20°C to +40°C
Terminals:	36 x 2,5mm ² + 10 PE
Ingress protection:	IP65
Cable entries:	2xM32x1,5 plastic blue cable glands (13-21 mm) 18xM20x1,5 plastic blue cable glands (7-13 mm)





4.3

STAINLESS STEEL TERMINAL BOXES



CONFIGURABLE STAINLESS STEEL JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

Custom configurable stainless steel ATEX junction boxes for installation in hazardous areas in zones 1, 2, 21 and 22.

The stainless steel enclosures are build in accordance to the individual request and will be equipped with terminals and cable glands.



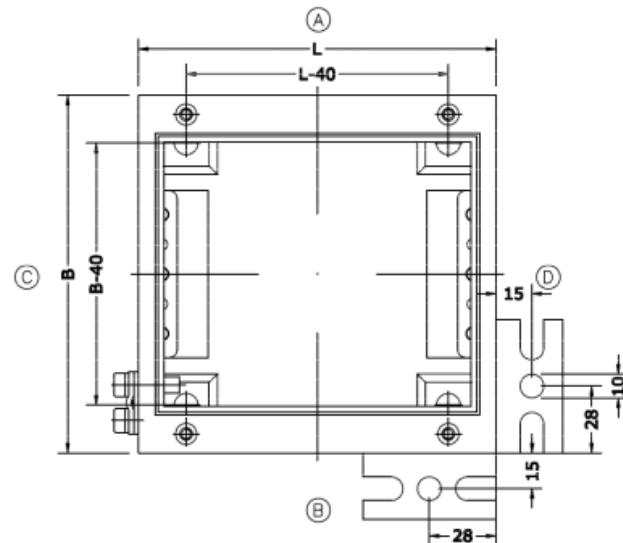
EU-Type Examination Certificate



We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.

STANDARD SIZES (SMALL BOXES)													
Dimensions:	Maximum No. of terminals / current						Maximum No. of cable glands						
LxBxH	2,5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	M16x1,5 AB/CD	M20x1,5 AB/CD	M25x1,5 AB/CD	M32x1,5 AB/CD	M40x1,5 AB/CD	M50x1,5 AB/CD	M63x1,5 AB/CD
100x100x61 mm	10	0	0	0	0	0	3/2	2/1	1/0	0/0	0/0	0/0	0/0
150x150x81 mm	18	15	10	0	0	0	8/3	5/2	3/1	2/0	0/0	0/0	0/0
200x200x81 mm	25	20	15	12	0	0	12/3	7/2	4/1	3/0	2/0	0/0	0/0
300x200x81 mm	45	35	28	22	0	0	15/3	10/2	7/1	5/0	4/0	0/0	0/0
400x200x121 mm	62	51	38	31	25	0	30/9	27/6	17/3	14/2	7/1	5/1	3/1
300x300x121 mm	90	70	28	22	16	12	23/9	20/6	12/3	10/2	5/3	3/1	2/1

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex e IIC T4/T6 Gb II 2(1)G Ex e[ia] IIC T6 Gb II 2D Ex tb IIIC T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C (Depending on the used components and heat dissipation)
Material:	Stainless Steel 1.4301. Surface brushed (grain size 240)
Design:	Screwed lid
PE connection:	External, internal on base and lid
Ingress protection:	IP66
Accessories:	Wall mounting brackets



CONFIGURABLE STAINLESS STEEL JUNCTION BOXES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

Stainless steel ATEX junction boxes ideal for the connection of cables up to 300mm² in hazardous areas in zones 1 and 21.

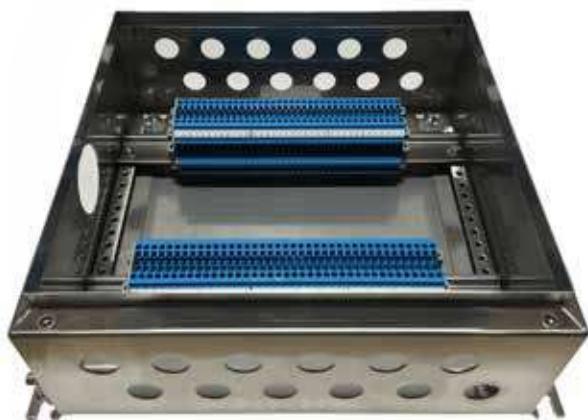
The stainless steel enclosures are build in accordance to the individual request and will be equipped with terminals and cable glands.

Maximum electrical connection data:

Rated voltage: 1100V

Rated current: 500A

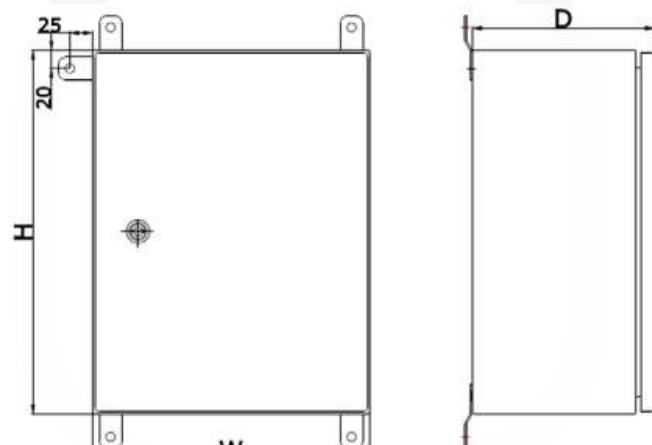
We don't supply empty "U" certified enclosures. These terminal boxes must be configured with the number of terminals and cable entries.



STANDARD SIZES (LARGE BOXES)													
Dimensions:	Maximum No. of terminals / current*						Maximum No. of cable glands						
WxHxD	35 mm ²	70 mm ²	95 mm ²	120 mm ²	185 mm ²	300 mm ²	M16 x1,5	M20 x1,5	M25 x1,5	M32 x1,5	M40 x1,5	M50 x1,5	M63 x1,5
300x300x200 mm	8/90	7/140	-	-	-	-	3/2	2/1	1/0	0/0	0/0	0/0	0/0
400x600x210 mm	18/65	16/100	14/120	13/145	-	-	8/3	5/2	3/1	2/0	0/0	0/0	0/0
600x400x210 mm	20/60	18/95	14/120	10/145	8/230	-	12/3	7/2	4/1	3/0	2/0	0/0	0/0
800x600x210 mm	54/40	32/75	26/120	24/115	10/220	10/285	15/3	10/2	7/1	5/0	4/0	0/0	0/0
1000x800x300 mm	72/40	46/75	36/120	34/115	13/230	13/290	30/9	27/6	17/3	14/2	7/1	5/1	3/1
1200x1000x400 mm	93/40	90/60	48/120	44/115	34/230	17/290	23/9	20/6	12/3	10/2	5/3	3/1	2/1

*Maximum current at $T_a = 40^\circ\text{C}$.

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex e IIC T6 Gb II 2(1)G Ex e[i] IIC T6 Gb II 2D Ex tb IIIC T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-50°C to +60°C (Depending on the used components and heat dissipation)
Material:	Stainless Steel 1.4301 (V2A) or 1.4404. Surface brushed (grain size 240)
Lid screws:	Stainless Steel
PE connection:	External, internal on base and lid
Rated voltage:	max. 1100V
Rated current:	max. 500A
Ingress protection:	IP66
Accessories:	Wall mounting brackets



STAINLESS STEEL JUNCTION BOX - 3 TERMINALS / 5 ENTRIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Custom configurable stainless steel ATEX junction box for installation in hazardous areas in zones 1, 2, 21 and 22.

Equipped with 3x 95mm² terminals + 1 earth terminal, and 1 cable entry M32x1.5, 3x M25x1.5 and 1x M20x1.5 on the underside.



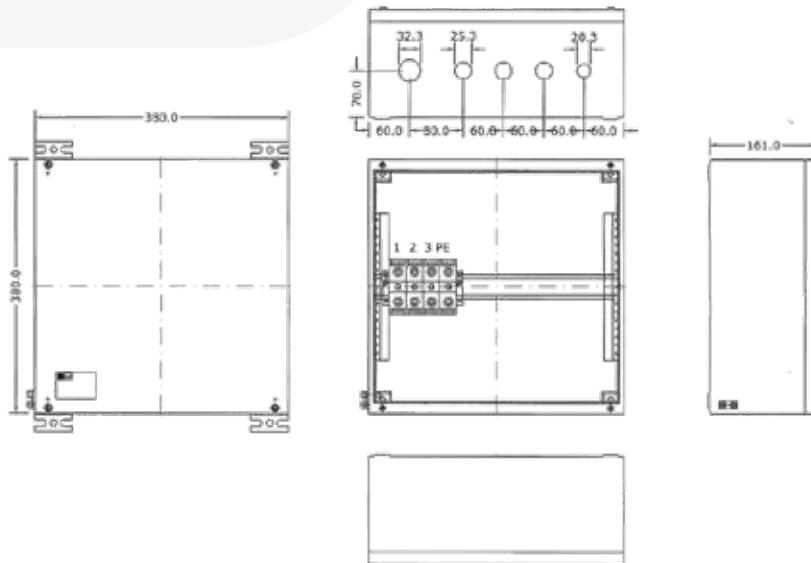
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A11-E4-03816+3T95+1M32+3M25+1M20	5A0902

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Material:	Stainless steel 316L
Dimensions:	380x380x161 mm
Design:	Screwed lid
Terminals:	3 xUKH 95mm ² + 1xUSLKG PE 95mm ² . Marked 1, 2, 3, PE
External PE connection:	Yes
Ingress protection:	IP66
Accessories:	Wall mounting brackets
Cable entries:	1xM32x1,5, 3xM25x1,5 and 1xM20x1,5 (cable glands / plugs not included)



STAINLESS STEEL JUNCTION BOX - 30 TERMINALS / 10 ENTRIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)

Custom configurable stainless steel ATEX junction box for installation in hazardous areas in zones 1, 2, 21 and 22.

Equipped with 10 2.5mm² terminals and 10 M20x1.5 cable entries, 5 on the upper side and 5 on the lower side.



EU-Type Examination Certificate

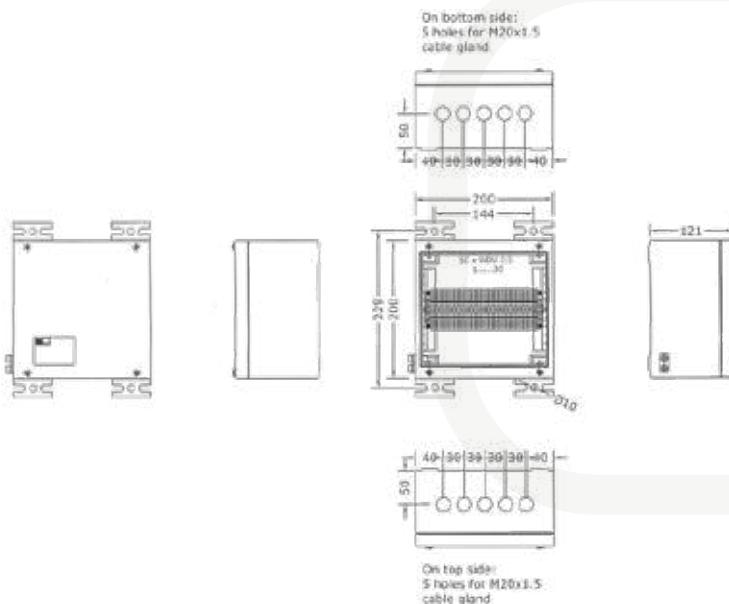


ITEM REFERENCES

Designation:	Item No.:
A21-E4-02012+30T2,5+10M20	5A0901

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +55°C
Material:	Stainless steel 316L
Dimensions:	200x200x121 mm
Design:	Screwed lid
Terminals:	30x 2,5mm ²
PE connection:	External
Ingress protection:	IP66
Accessories:	Wall mounting brackets
Cable entries:	10xM20 (cable glands / plugs not included)



STAINLESS STEEL JUNCTION BOX - 24 TERMINALS / 13 ENTRIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX JUNCTION BOXES

ZONES 1, 2 (gas) & 21, 22 (dust)



Custom-configurable stainless-steel ATEX junction box designed for installation in hazardous areas classified as Zones 1, 2, 21 and 22.

It is fitted with 24 terminals for 2.5 mm² conductors, along with 1x M40x1.5 cable entry and 12x M20x1.5 entries on the underside.



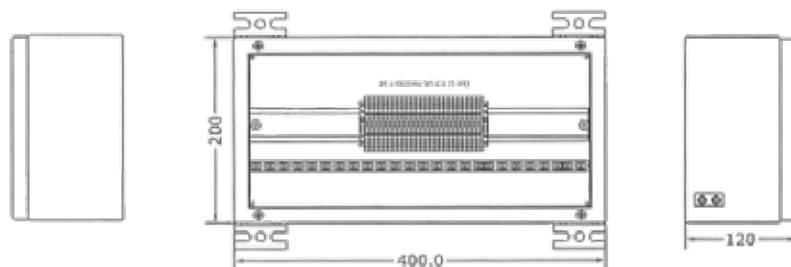
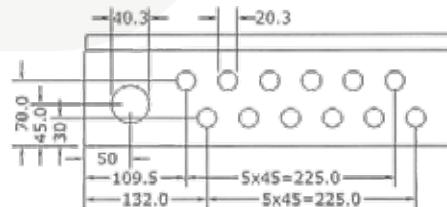
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
A21-E4-04012+24T2,5+12M20+1M40	5A0903

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Material:	Stainless steel 316L
Dimensions:	400x200x120 mm
Design:	Screwed lid
Terminals:	24x 2,5mm ²
External PE connection:	External
Ingress protection:	IP65
Accessories:	Wall mounting brackets
Cable entries:	1x M40x1,5 and 12x M20x1,5 (cable glands / plugs not included)



4.4

SWITCHES



SWITCHES SERIE EFS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



Explosion-proof breakers, selector switches, connecting switches series EFS.

Rotating type, with its knob on the front.

Suitable for currents up to 16A and voltages up to 690 VAC / 660 VDC.



EU-Type Examination Certificate

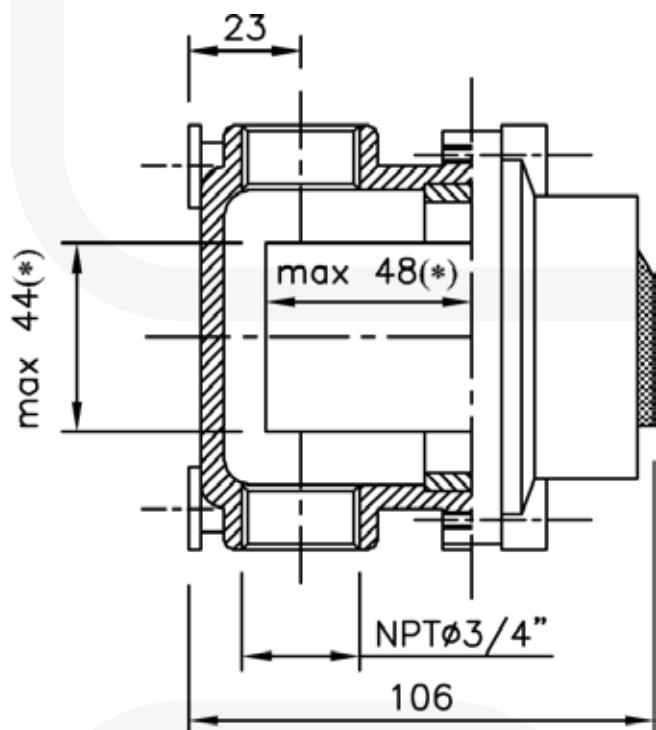
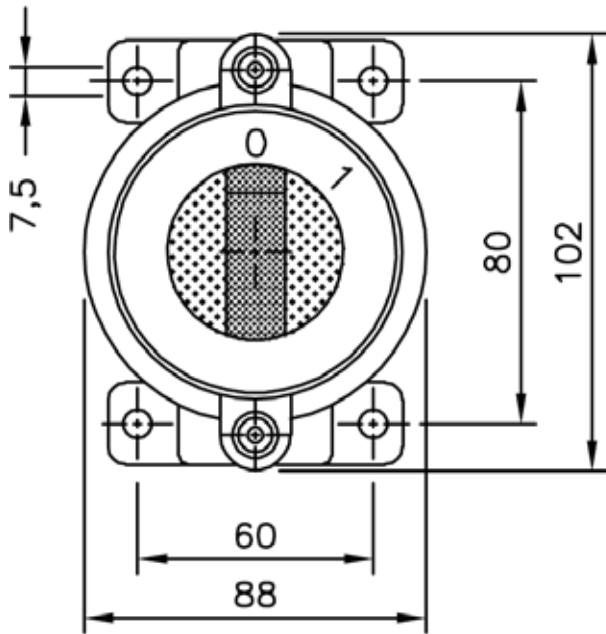
ITEM REFERENCES							
	Designation:	Contacts:	Item No.:		Designation:	Contacts:	Item No.:
	EFS 116 N	1 pole, (0/1) switches	3G0101		EFS 316 N	3 pole, (0/1) switches / 400V / AC3 / 5,5 kW max.	3G0103
	EFS 216 N	2 pole, (0/1) switches	3G0102		EFS 416 N	4 pole, (0/1) switches / 400V / AC3 / 5,5 kW max.	3G0104
	EFS 116/CN	1 pole mains transfer switches (1/0/2)	3G0105		EFS 316/CN	3 pole mains transfer switches (1/0/2)	3G0107
	EFS 216/CN	2 pole mains transfer switches (1/0/2)	3G0106				
	EFS 116/DN	1 pole change-over switches (1/2)	3G0108		EFS 316/DN	3 pole change-over switches (1/2)	3G0110
	EFS 216/DN	2 pole change-over switches (1/2) K3022 AC1 2A AC3/3PH 220V - 5,5kW 300V - 11kW 600V - 15kW	3G0109				

SWITCHES SERIE EFS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex d IIB T6-T5 Gb (IIC on request) II 2D Ex tb IIIC T85°C-T100°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium (RAL 7000)
Rated voltage:	Max. 690 VAC / 660 VDC.
Rated current:	Max. 16A
Operating temperature:	-20°C to +40°C
Ingress protection:	IP66/67
Weight:	700 g
Cable entries:	2x3/4" NPT (cable glands not included)



SWITCHES SERIE EFS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



3 or 4-pole ATEX certified switches suitable for installation in explosive atmospheres.

Manufactured in light aluminum alloy.

Suitable for currents up to 25A, 32A, 40A or 63A and voltages up to 690 VAC / 660 VDC.



EU-Type Examination Certificate

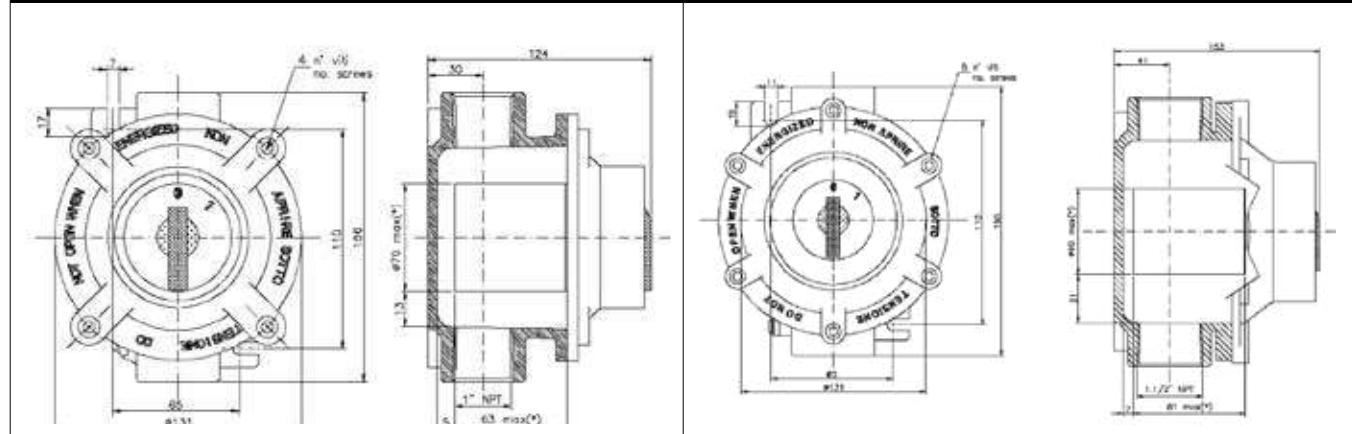
ITEM REFERENCES					
Designation:	Contacts:	$I_e/AC1=I_{th2}$	kW AC3 (380-440V)	Weight:	Item No.:
EFS 325	3 poles	25A	5,5 kW	1300 g	3G0201
EFS 425	4 poles	25A	5,5 kW	1300 g	3G0202
EFS 332	3 poles	32A	7,5 kW	1300 g	3G0203
EFS 432	4 poles	32A	7,5 kW	1300 g	3G0204
EFS 340	3 poles	40A	15 kW	2300 g	3G0301
EFS 440	4 poles	40A	11 kW	2300 g	3G0302
EFS 363	3 poles	63A	22 kW	2300 g	3G0303
EFS 463	4 poles	63A	22 kW	2300 g	3G0304

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex d IIB T6-T4 Gb (IIC version: on request) II 2D Ex tb IIIC T85°C-T135°C Db
Certificate:	EU-Type Examination Certificate
Material:	Aluminium (RAL 7000)
Operating temperature:	-20°C to +40°C
Ingress protection:	IP66 (IIB version) IP66/67 (IIC version)
Cable entries:	25/32A - 2x1" NPT (cable glands not included) 40/63A - 2x1.1/2" NPT (cable glands not included)

25A / 32A

40A / 63A



GENERAL PURPOSE SWITCH

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



General-purpose switch designed to operate safely in potentially explosive atmospheres.

Manufactured from glass-fiber reinforced polyester, it provides high mechanical strength and durability under demanding conditions.

Its ample internal volume allows for comfortable wiring and fast installation. It is supplied with an M20x1,5 brass cable gland, suitable for armoured cables with outside diameters ranging from 13,2 to 20,5 mm.

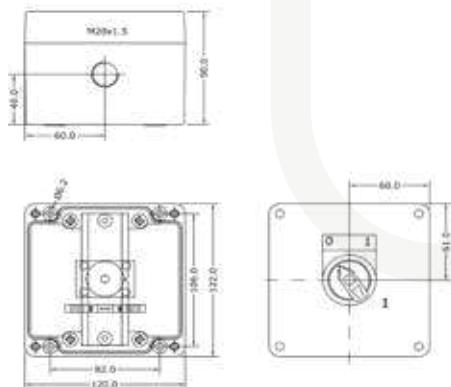


EU-Type Examination Certificate

ITEM REFERENCES			
Contacts:	Designation:	Weight:	Item No.:
	Switch A21 2NC + Armoured cable gland M20x1,5 brass (13,2-20,5 mm)	1,2 kg	4E0101
	Switch A21 2NO + Armoured cable gland M20x1,5 brass (13,2-20,5 mm)	1,2 kg	4E0102
	Switch A21 1NC+1NO + Armoured cable gland M20x1,5 brass (13,2-20,5 mm)	1,2 kg	4E0103

TECHNICAL SPECIFICATIONS

Marking:			
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-20°C to +40°C		
Ingress protection:	IP65		
Material:	Glass fibre reinforced polyester (GRP)		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A
Conventional thermal current:	16 A/+40 °C, 11 A/+60 °C		
Connection:	Terminals 2,5 mm ²		
Operating cycle:	10 ⁶ commutations		



PADLOCKABLE LOAD BREAK SWITCH FOR 5,5KW MOTORS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



4-pole ATEX padlockable 0/1 or 0/1/2/3 disconnector with AC3 breaking capacity up to 5.5 kW at 400V.

Includes a brass plate and 2 or 3 brass or nickel-plated brass M20x1.5 cable glands for installation with armoured cables, or 2 or 3 polyamide cable glands for non-armoured cables.



EU-Type Examination Certificate

ITEM REFERENCES			
Contacts:	Designation:	Weight:	Item No.:
	0-1 Load break switch A21 Series + 2 brass cable glands for armoured cable M20x1,5 (13,2-20,5 mm)	1,5 kg	4E0201
	0-1 Load break switch A21 Series + 3 brass cable glands for armoured cable M20x1,5 (13,2-20,5 mm)	1,5 kg	4E0202
	0-1 Load break switch A21 Series + 2 plastic cable glands for non-armoured cable M20x1,5 (7-13 mm)	1 kg	4E0203
	0-1 Load break switch A21 Series + 3 plastic cable glands for non-armoured cable M20x1,5 (7-13 mm)	1 kg	4E0204
	0-1-2-3 Load break switch A21 Series + 2 brass cable glands for armoured cable M20x1,5 (13,2-20,5 mm)	1,5 kg	4E0205
	0-1-2-3 Load break switch A21 Series + 2 Non-armoured cable glands M20x1,5 (7-13 mm)	1 kg	4E0206

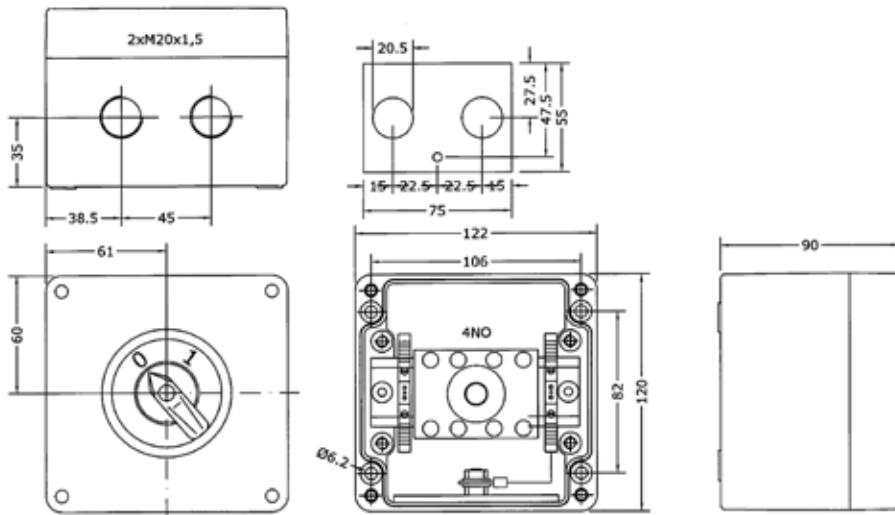
TECHNICAL SPECIFICATIONS					
Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db				
Certificate:	EU-Type Examination Certificate				
Operating temperature:	-20°C a +40°C				
Ingress protection:	IP65				
Material:	Glass fibre reinforced polyester (GRP)				
Breaking capacity:					
P/AC-3/AC-23	AC-3		AC-23		
230V	3 ph/3 kW		1 ph/2,2 kW		
400V	3 ph/5,5 kW		1 ph/3 kW		
$I_e = AC-23/400 V/10 A$					
Utilization categories:					
AC-15	400 V		10 A		
AC-12	400 V		16 A		
DC-13	24 V		1 A		
Nominal isolation voltage:	$U_i=690V$ $U_e=450V$				
Nominal pulse voltage:	$U_{imp}=6 kV$				
Rated short-circuit current (400V):	$I_e=4 kA$				
Short-circuit current:	max. 16A				
Connection:	Terminals 2,5 mm ²				

PADLOCKABLE LOAD BREAK SWITCH FOR 5,5KW MOTORS

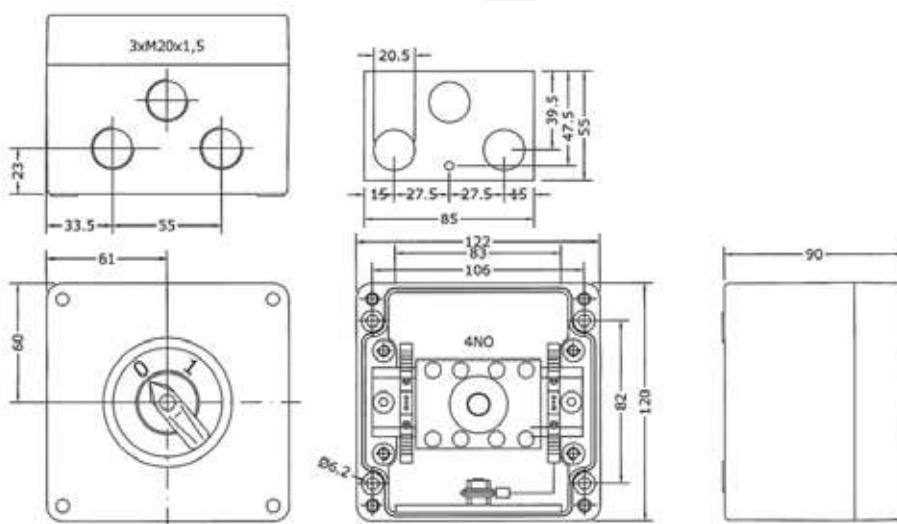
Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

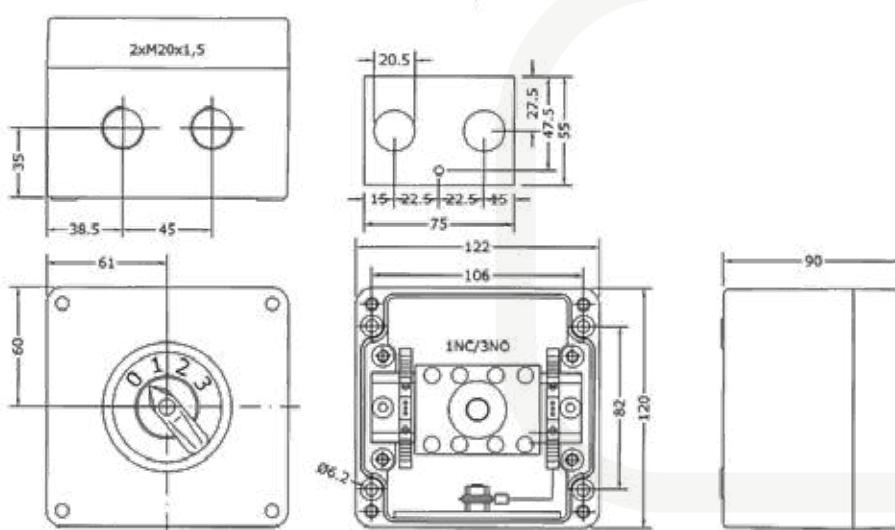
ITEM No. 4E0201-4E0203



ITEM No. 4E0202-4E0204



ITEM No. 4E0205-4E0206



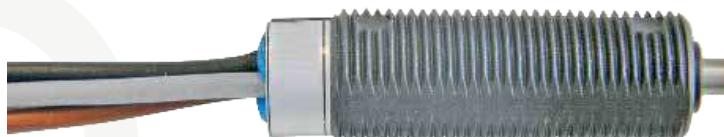
EX D MICROSITCH M12 TYPE AS1

Zones 1, 2

Full catalogue available on our website: www.inpratex.com

ATEX LIMIT SWITCHES

ZONES 1, 2 (gas)



The cylindrical M12 microswitches are used in potential explosive atmospheres zone 1/2, wherever the switching status must be recorded accurately without using an additional intrinsically safe amplifier.

Because of the goldplated contacts, the M12 microswitches can also directly connected to intrinsically safe circuits. Due to the cylindrical design, they can be precisely adjusted by the M12x1 fine thread or can be installed in the usual mounting kits for inductive proximity switches of the size M12.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Wire / Cable Length:	Item No.:
For use installed inside separate certified enclosures with single cores; 3x 0,5 mm ²		
AS1-A7-500028	Single wires 14 cm	500028
AS1-A7-500024	Single wires 16 cm	500024
AS1-A7-500025	Single wires 26 cm	500025
AS1-A7-500026	Single wires 1 m	500026
For direct installation on machines with cable 3 x 0,5 mm ²		
AS1-L7-500027	Cable 3 m	500027
AS1-L7-500030	Cable 5 m	500030
AS1-L7-500031	Cable 10 m	500031

TECHNICAL SPECIFICATIONS

Marking:		
Certificate:	EU-Type Examination Certificate	Contacts:
Material:	Glass fiber reinforced polyamide	1 = brown "C"
Switch contact:	1 Changeover	2 = black "NC"
Mechanical life time:	200.000 operations	4 = grey "NO"
Operating temperature:	up to 4 A: -20°C to +60°C from 4 to 5 A: -20°C to +40°C	
Design:	Cylindrical design M12x1. Length 38 mm (without actuator)	
Variants:	with single core 3 x 0,5 mm ² with cable 3 x 0,5 mm ²	
Ingress protection:	min. IP54	

CONTACT ELEMENT

Switching voltage AC 250 V	SWITCHING CURRENT		
	5 A / AC-12	4 A / AC-12	1 A / AC-13/15
SWITCHING CURRENT			
Switching voltage DC 24 V	5 A / DC-12	4 A / DC-12	0,6 A / DC-13
Operating force:	1,7 N		
Electr. life time:	2 x 10 ⁶		
Contact:	Goldplated silver		
Switching frequency:	max. 5/s		
Vibration resistance:	10g (500 Hz) (EN60068-1-6)		

4.5

CONTROL STATIONS



CONFIGURABLE GRP CONTROL STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)

These polyester local control boxes are used in hazardous areas on machines and in plants to control processes and display states. The robust enclosure made of glass fiber reinforced polyester has good chemical resistance and has proven itself for years in industrial use indoors and outdoors. They are certified for the use in hazardous areas of Zones 1/2 and 21/22.



These local control boxes are equipped with push button, selector switch, key switch, emergency stop button, potentiometer, indicator light and illuminated button according to customer specifications.

Empty enclosures or loose parts with Ex component certificate and suffix 'U' are not supplied (see standard EN60079-0 section 13.5 Ex component certificate).



EU-Type Examination Certificate

ITEM REFERENCES	
Designation:	Item No.:
Single device enclosure	A21-E1-01209 (1)
Double device enclosure	A21-E1-01209 (2)
Triple device enclosure	A21-E1-02209 (3)
Four device enclosure	A21-E1-02209 (4)
Five device enclosure	A21-E1-02609 (5)

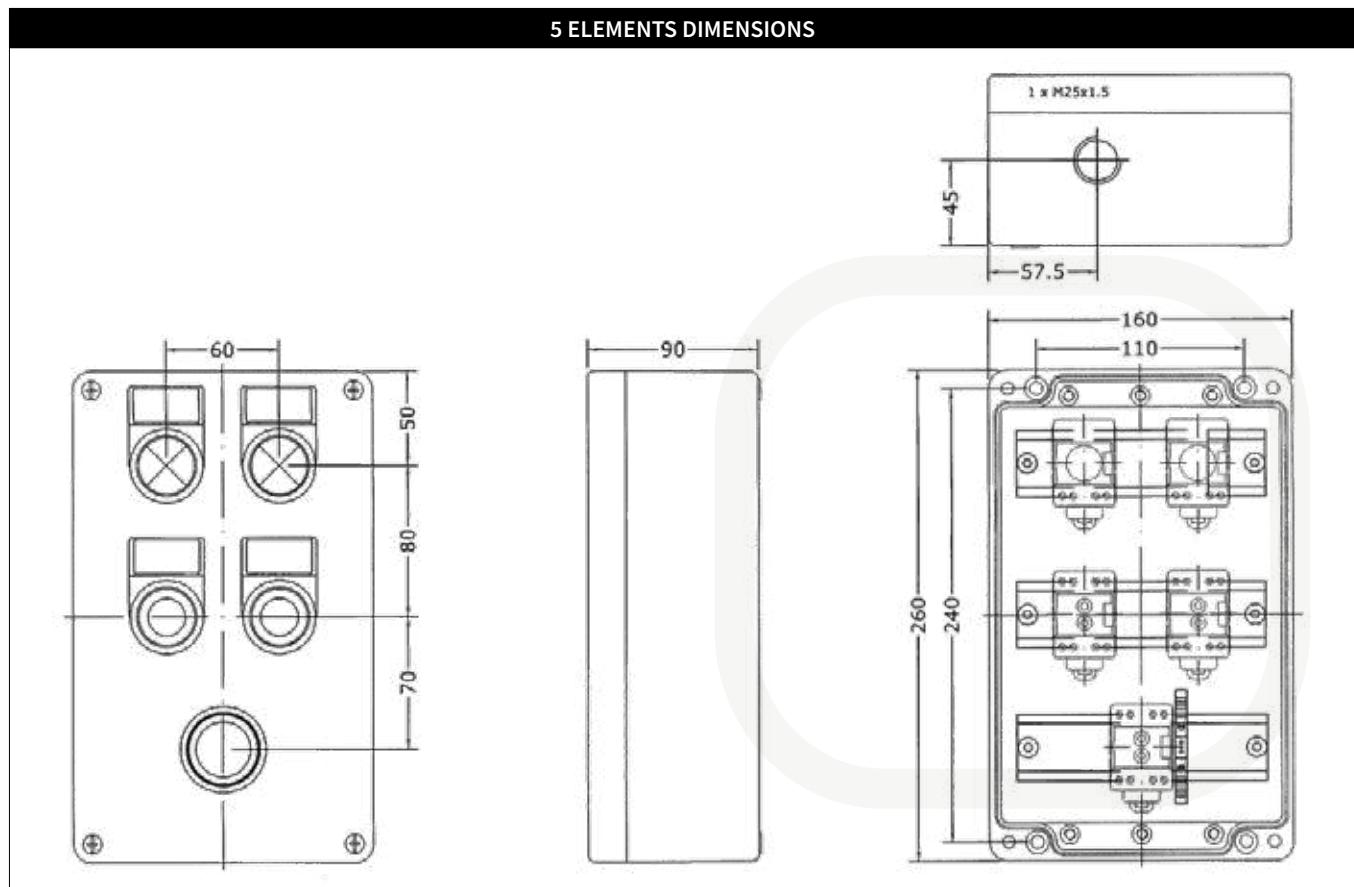
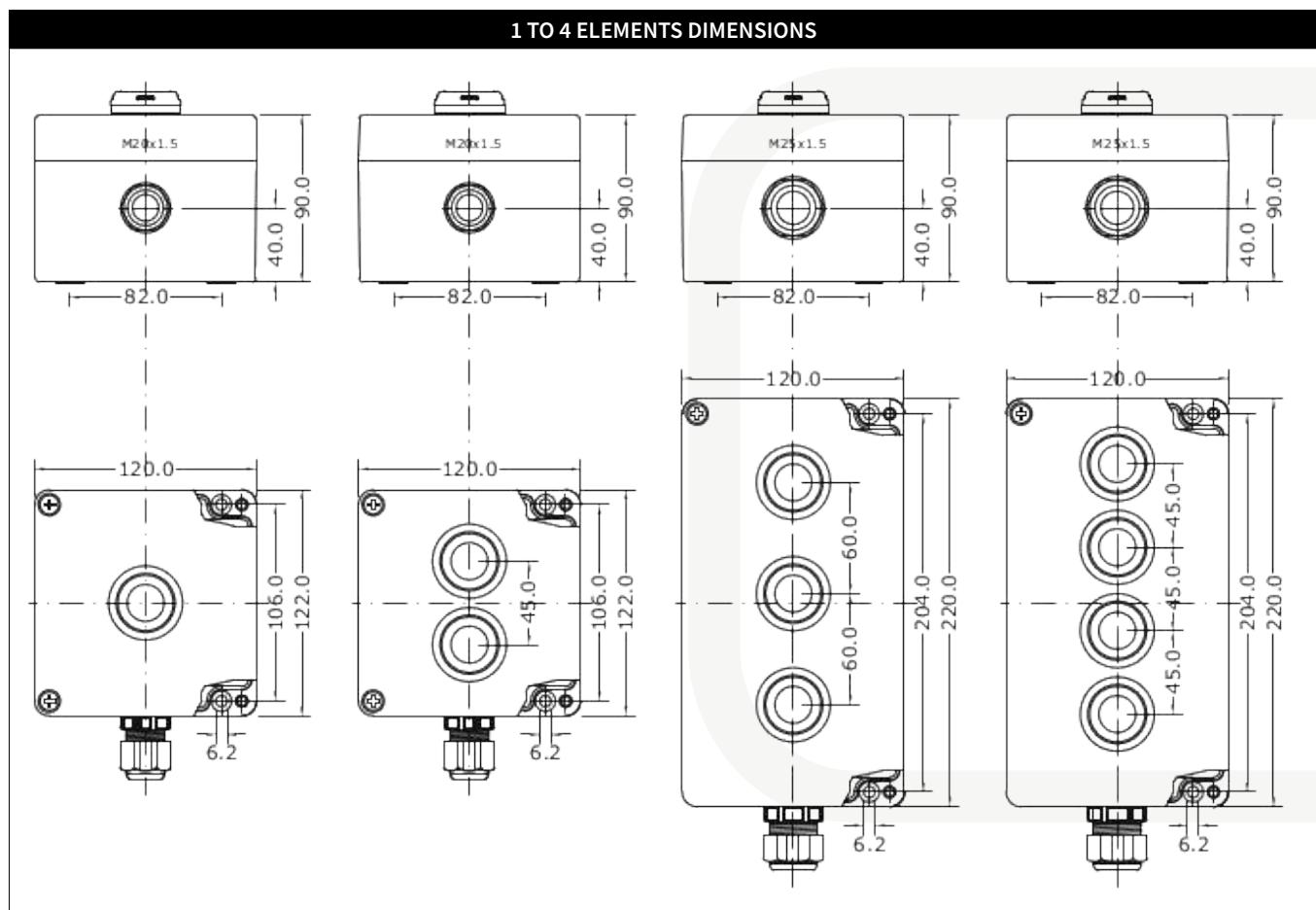
TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Sealing:	Silicone
Torque:	2 - 2,5 Nm
Operating voltage:	max. 230 V
Rated current:	max. 5 A
Cross connection:	max. 2.5 mm ²



CONFIGURABLE GRP CONTROL STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com



CONFIGURABLE CONTROL STATIONS - SIGNAL AND CONTROL UNITS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

4



PUSHBUTTON SELECTION TABLE

Element:	Designation:	Item No.:
	Pushbutton [momentary] 1NO+1NC Colour: white (bw), black (bb), red (br), green (bg)	bw 1NO+1NC bb 1NO+1NC br 1NO+1NC bg 1NO+1NC
	Pushbutton [momentary] 2NC Colour: white (bw), black (bb), red (br), green (bg)	bw 2NC bb 2NC br 2NC bg 2NC
	Pushbutton [momentary] 2NO Colour: white (bw), black (bb), red (br), green (bg)	bw 2NO bb 2NO br 2NO bg 2NO

DOUBLE PUSHBUTTON SELECTION TABLE

Element:	Designation:	Item No.:
	Double Pushbutton [momentary] 1NO+1NC Colour: white (bw), black (bb), red (br), green (bg)	d-bw 1NO+1NC d-bb 1NO+1NC d-br 1NO+1NC d-bg 1NO+1NC

SELECTOR SWITCH SELECTION TABLE

Element:	Designation:	Item No.:
	Selector switch I-0 (2w) 1NO+1NC Selector switch I-0-II (3wl) [I+II latching] 1NO+1NC Selector switch I-0-II (3wm) [I+II momentary] 1NO+1NC Selector switch I-0-II (3wem) [I latching, II momentary] 1NO+1NC Selector switch I-0-II (3wme) [I momentary, II latching] 1NO+1NC	2w 1NO+1NC 3wl 1NO+1NC 3wm 1NO+1NC 3wem 1NO+1NC 3wme 1NO+1NC
	Selector switch I-0 (2w) 2NC Selector switch I-0-II (3wl) [I+II latching] 2NC Selector switch I-0-II (3wm) [I+II momentary] 2NC Selector switch I-0-II (3wem) [I latching, II momentary] 2NC Selector switch I-0-II (3wme) [I momentary, II latching] 2NC	2w 2NC 3wl 2NC 3wm 2NC 3wem 2NC 3wme 2NC
	Selector switch I-0 (2w) 2NO Selector switch I-0-II (3wl) [I+II latching] 2NO Selector switch I-0-II (3wm) [I+II momentary] 2NO Selector switch I-0-II (3wem) [I latching, II momentary] 2NO Selector switch I-0-II (3wme) [I momentary, II latching] 2NO	2w 2NO 3wl 2NO 3wm 2NO 3wem 2NO 3wme 2NO

KEY SELECTOR SWITCH SELECTION TABLE

Element:	Designation:	Item No.:
	Selector switch I-0 (k-2wl) [I-0 latching, I-0 key withdrawable] 1NO+1NC Selector switch I-0 (k-2wl0) [I-0 latching, 0 key withdrawable] 1NO+1NC Selector switch I-0 (k-2wm0) [I-0 spring return, 0 key withdrawable] 1NO+1NC Selector switch I-0-II (k-3wl) [I-0-II latching, I-0-II key withdrawable] 1NO+1NC Selector switch I-0-II (k-3wl0) [I-0-II latching, 0 key withdrawable] 1NO+1NC Selector switch I-0-II (k-3wm0) [I-0-II spring return, 0 key withdrawable] 1NO+1NC	k-2wl 1NO+1NC k-2wl0 1NO+1NC k-2wm0 1NO+1NC k-3wl 1NO+1NC k-3wl0 1NO+1NC k-3wm0 1NO+1NC
	Selector switch I-0 (k-2wl) [I-0 latching, I-0 key withdrawable] 2NC Selector switch I-0 (k-2wl0) [I-0 latching, 0 key withdrawable] 2NC Selector switch I-0 (k-2wm0) [I-0 spring return, 0 key withdrawable] 2NC Selector switch I-0-II (k-3wl) [I-0-II latching, I-0-II key withdrawable] 2NC Selector switch I-0-II (k-3wl0) [I-0-II latching, 0 key withdrawable] 2NC Selector switch I-0-II (k-3wm0) [I-0-II spring return, 0 key withdrawable] 2NC	k-2wl 2NC k-2wl0 2NC k-2wm0 2NC k-3wl 2NC k-3wl0 2NC k-3wm0 2NC
	Selector switch I-0 (k-2wl) [I-0 latching, I-0 key withdrawable] 2NO Selector switch I-0 (k-2wl0) [I-0 latching, 0 key withdrawable] 2NO Selector switch I-0 (k-2wm0) [I-0 spring return, 0 key withdrawable] 2NO Selector switch I-0-II (k-3wl) [I-0-II latching, I-0-II key withdrawable] 2NO Selector switch I-0-II (k-3wl0) [I-0-II latching, 0 key withdrawable] 2NO Selector switch I-0-II (k-3wm0) [I-0-II spring return, 0 key withdrawable] 2NO	k-2wl 2NO k-2wl0 2NO k-2wm0 2NO k-3wl 2NO k-3wl0 2NO k-3wm0 2NO

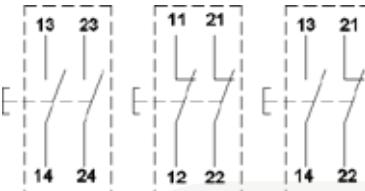
CONFIGURABLE CONTROL STATIONS - SIGNAL AND CONTROL UNITS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

MUSHROOM PUSHBUTTON SELECTION TABLE (MOMENTARY)		
Element:	Designation:	Item No.:
	Mushroom pushbutton [momentary] 1NO+1NC Colour: black	bm 1NO+1NC
	Mushroom pushbutton [momentary] 2NC Colour: black	bm 2NC
	Mushroom pushbutton [momentary] 2NO Colour: black	bm 2NO

EMERGENCY STOP PUSHBUTTON SELECTION TABLE		
Element:	Designation:	Item No.:
	Emergency stop pull to release (ep) 1NO+1NC	ep 1NO+1NC
	Emergency stop twist to release (et) 1NO+1NC	et 1NO+1NC
	Emergency stop pull to release (ep) 2NC	ep 2NC
	Emergency stop twist to release (et) 2NC	et 2NC
	Emergency stop pull to release (ep) 2NO	ep 2NO
	Emergency stop twist to release (et) 2NO	et 2NO

INTERNAL CONTACT MODULE FOR PUSHBUTTON, EMERGENCY STOP AND SELECTOR SWITCH				
				
Marking:	 II 2G Ex db eb IIC Gb  Ex I M2 Ex db eb I Mb			
Certificate:	EU-Type Examination Certificate			
Operating temperature:	-55°C to +60°C			
Ingress protection:	IP20 according to EN 60529			
Nominal isolation voltage:	690 V			
Rated voltage:				
400 V	400 V	110 V	60 V	
Utilization categories:				
AC-12	AC-15	DC-13	DC-13	
Rated operating currents:				
16 A	10 A	1 A	2 A	
Conventional thermal current:	16 A/+40 °C, 11 A/+60 °C			
Connection:	Terminals 2,5 mm ²			
Mechanical life:	10 ⁶ switching cycles			

CONFIGURABLE CONTROL STATIONS - SIGNAL AND CONTROL UNITS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

4



CONTROL & CONNECTION EQUIPMENT

POTENTIOMETER SELECTION TABLE

Element:	Designation:	Item No.:
	Potentiometer Colour: black	pb

INTERNAL CONTACT MODULE FOR POTENTIOMETER

	 2 ————— ————— 3 1
Marking:	II 2G Ex db eb IIC Gb I M2 Ex db eb I Mb
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55°C to +85°C
Ingress protection:	IP20 according to EN 60529
Rated voltage:	250 V
Rated insulation voltage:	250 V
Rated power dissipation:	Up to 1W
Resistance:	1 kΩ, 10 kΩ
Rotation:	Mechanical 285° to 5° / Electrical approx. 250°
Rated torque:	0.4 - 0.7 Nm
Connection:	Terminals 0.75 mm² - 2.5 mm²
Mechanical life:	25000 cycles

PILOT LIGHT SELECTION TABLE

Element:	Designation:	Item No.:
	Pilot light Colours: white (sw), red (sr), green (sg), blue (sb), yellow (sy)	sw sr sg sb sy

CONFIGURABLE CONTROL STATIONS - SIGNAL AND CONTROL UNITS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

INTERNAL MODULE FOR PILOT LIGHTS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55 °C to +85 °C
Ingress protection:	IP20 according to EN 60529
Rated voltage:	AC/DC 12...230V
Working voltage:	250 V
Rated insulation voltage:	300 V
Power consumption:	< 1 W
Lamp:	LED (red, green, yellow, white, blue)
Connection:	Terminals 0.75 mm ² - 2.5 mm ²
Mechanical life:	10 ⁵ running hours

ILLUMINATED PUSHBUTTON SELECTION TABLE

Element:	Designation:	Item No.:
	Illuminated pushbutton [momentary] 1NO Colours: white (sw), red (sr), green (sg), blue (sb), yellow (sy)	sw+1NO sr+1NO sg+1NO sb+1NO sy+1NO
	Illuminated pushbutton [momentary] 1NC Colours: white (sw), red (sr), green (sg), blue (sb), yellow (sy)	sw+1NC sr+1NC sg+1NC sb+1NC sy+1NC

INTERNAL MODULE FOR ILLUMINATED PUSHBUTTON

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55 °C to +85 °C
Ingress protection:	IP20 according to EN 60529
Rated voltage:	AC/DC 12...230V
Working voltage:	250 V
Rated insulation voltage:	300 V
Utilization categories:	AC-15 - 1 A/230 V DC-13 - 0.25 A/24 V
Power consumption:	< 1 W
Lamp:	LED (red, green, yellow, white, blue)
Connection:	Terminals 0.75 mm ² - 2.5 mm ²
Electrical/Mechanical life:	10 ⁵ running hours / 10 ⁵ switching cycles

SINGLE PUSHBUTTON

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e Pushbutton made of glass fibre reinforced polyester for application in hazardous areas.
Tags: white (bw), black (bb), red (br) or green (bg).

Can be supplied with M20 cable glands for armoured or non-armoured cable.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	Pushbutton 1NO+1NC - M20 Plastic cable gland	3J0601
	Pushbutton 2NC - M20 Plastic cable gland	3J0602
	Pushbutton 2NO - M20 Plastic cable gland	3J0603
	Pushbutton 1NO+1NC - M20 Brass Cable Gland	3J0604
	Pushbutton 2NC - M20 Brass Cable Gland	3J0605
	Pushbutton 2NO - M20 Brass Cable Gland	3J0606
	Pushbutton 1NO+1NC - M20 Nickel-Plated Brass Cable Gland	3J0607
	Pushbutton 2NC - M20 Nickel-Plated Brass Cable Gland	3J0608
	Pushbutton 2NO - M20 Nickel-Plated Brass Cable Gland	3J0609

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5

INTERNAL CONTACT MODULE			
Marking:			
Certificate:			EU-Type Examination Certificate
Operating temperature:			-55°C to +60°C
Ingress protection:			IP20
Nominal isolation voltage:			690 V
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

INTRINSICALLY SAFE MOMENTARY MUSHROOM PUSH BUTTON

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex i control stations equipped with a mushroom pushbutton, made of glass-fibre reinforced polyester for use in explosive atmospheres, exclusively in intrinsically safe circuits.

Label is optional.



EU-Type Examination Certificate

ITEM REFERENCES

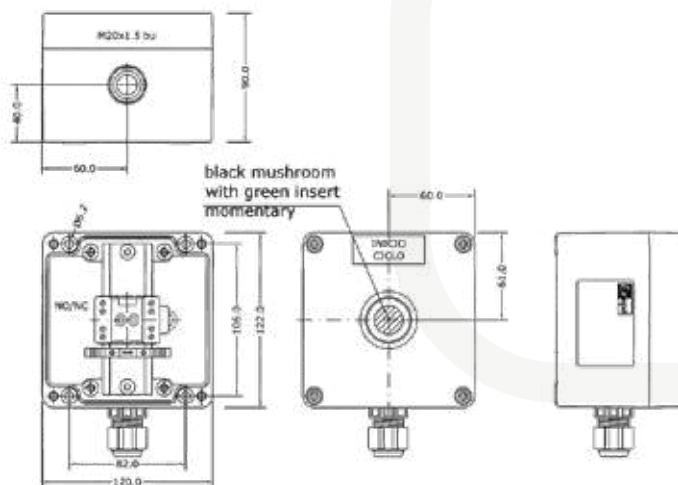
Designation:	Item No.:
Ex i Pushbutton 1NO+1NC	3J0114
Ex i Pushbutton 2NC	3J0115
Ex i Pushbutton 2NO	3J0116

TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex db eb ib [ia Ga] IIC T6 Gb II 2(1)D Ex tb [ia Da] IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Blue plastic cable gland (4-13mm)

INTERNAL CONTACT MODULE

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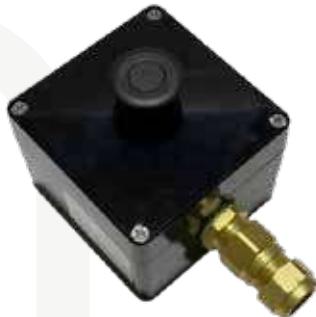
MUSHROOM TYPE MOMENTARY PUSH BUTTON

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



EU-Type Examination Certificate

Pushbutton panels equipped with a mushroom type momentary pushbutton, made of glass-fibre reinforced polyester for use in explosive atmospheres.

Can be supplied with M20 cable glands for armoured or non-armoured cable.

ITEM REFERENCES	
Designation:	Item No.:
Mushroom type momentary push button 1NO+1NC - M20 Plastic cable gland	3J0117
Mushroom type momentary push button 2NC - M20 Plastic cable gland	3J0118
Mushroom type momentary push button 2NO - M20 Plastic cable gland	3J0119
Mushroom type momentary push button 1NO+1NC - M20 Brass Cable Gland	3J0120
Mushroom type momentary push button 2NC - M20 Brass Cable Gland	3J0121
Mushroom type momentary push button 2NO - M20 Brass Cable Gland	3J0122
Mushroom type momentary push button 1NO+1NC - M20 Nickel-Plated Brass Cable Gland	3J0123
Mushroom type momentary push button 2NC - M20 Nickel-Plated Brass Cable Gland	3J0124
Mushroom type momentary push button 2NO - M20 Nickel-Plated Brass Cable Gland	3J0125

TECHNICAL SPECIFICATIONS

Marking:	Ex II 2G Ex db eb IIC T6 Gb Ex II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Colour:	Black
Cable entries:	1xM20x1,5

INTERNAL CONTACT MODULE

Marking:	Ex II 2G Ex de IIC Gb Ex I M2 Ex de I Mb		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

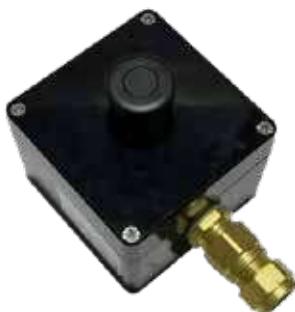
MUSHROOM TYPE LATCHING PUSH BUTTON

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
Mushroom type latching push button 1NO+1NC - M20 Plastic cable gland	3J0126
Mushroom type latching push button 2NC - M20 Plastic cable gland	3J0127
Mushroom type latching push button 2NO - M20 Plastic cable gland	3J0128
Mushroom type latching push button 1NO+1NC - M20 Brass Cable Gland	3J0129
Mushroom type latching push button 2NC - M20 Brass Cable Gland	3J0130
Mushroom type latching push button 2NO - M20 Brass Cable Gland	3J0131
Mushroom type latching push button 1NO+1NC - M20 Nickel-Plated Brass Cable Gland	3J0132
Mushroom type latching push button 2NC - M20 Nickel-Plated Brass Cable Gland	3J0133
Mushroom type latching push button 2NO - M20 Nickel-Plated Brass Cable Gland	3J0134

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Colour:	Black
Cable entries:	1xM20x1,5

INTERNAL CONTACT MODULE

Marking:	 		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

SINGLE INDICATOR LIGHT

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e indicator lights made of glass fibre reinforced polyester for application in hazardous areas.

Colours: White (sw), Red (sr), Green (sg), Blue (sb), Yellow (sy)

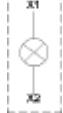
Can be supplied with M20 cable glands for armored or non-armored cable.



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Cable glands:	Item No.:	
	Indicator light - WHITE Indicator light - RED Indicator light - GREEN Indicator light - BLUE Indicator light - YELLOW	M20 Plastic cable gland	3J0801
			3J0802
			3J0803
			3J0804
			3J0805
	Indicator light - WHITE Indicator light - RED Indicator light - GREEN Indicator light - BLUE Indicator light - YELLOW	M20 Brass Cable Gland	3J0806
			3J0807
			3J0808
			3J0809
			3J0810
	Indicator light - WHITE Indicator light - RED Indicator light - GREEN Indicator light - BLUE Indicator light - YELLOW	M20 Nickel-Plated Brass Cable Gland	3J0811
			3J0812
			3J0813
			3J0814
			3J0815

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5

INTERNAL MODULE FOR INDICATOR LIGHTS	
	
Marking:	 II 2G Ex de IIC Gb I M2 Ex de I Mb
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55 °C to +50 °C / +60 °C (AC/DC 12V to 24V)
Ingress protection:	IP20
Nominal isolation voltage:	300 V
Voltage range:	AC 12 V to 250 V ($T_a \leq +50^\circ\text{C}$) / DC 12 V to 60 V ($T_a \leq +50^\circ\text{C}$) / AC/DC 12 V to 24 V ($T_a \leq +60^\circ\text{C}$)
Power:	< 1 W
Lamp:	LED (Red, Green, Yellow, White, Blue)
Connection:	Terminals 2,5 mm ²
Operating cycle:	>10 ⁵ hours

2 WAY SELECTOR SWITCH 0-I

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e 2 way Selector Switch made of glass fibre reinforced polyester for application in hazardous areas.

Can be supplied with M20 cable glands for armored or non-armored cable.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	2 Way Selector Switch 0-I (latching I) 2NC - M20 Brass Cable Gland	4E0101
	2 Way Selector Switch 0-I (latching I) 2NO - M20 Brass Cable Gland	4E0102
	2 Way Selector Switch 0-I (latching I) 1NO+1NC - M20 Brass Cable Gland	4E0103
	2 Way Selector Switch 0-I (latching I) 2NC - M20 Nickel-Plated Brass Cable Gland	4E0104
	2 Way Selector Switch 0-I (latching I) 2NO - M20 Nickel-Plated Brass Cable Gland	4E0105
	2 Way Selector Switch 0-I (latching I) 1NO+1NC - M20 Nickel-Plated Brass Cable Gland	4E0106
	2 Way Selector Switch 0-I (latching I) 2NC - M20 Plastic cable gland	4E0107
	2 Way Selector Switch 0-I (latching I) 2NO - M20 Plastic cable gland	4E0108
	2 Way Selector Switch 0-I (latching I) 1NO+1NC - M20 Plastic cable gland	4E0109

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1x M20x1,5

INTERNAL CONTACT MODULE			
Marking:			
Certificate:			EU-Type Examination Certificate
Operating temperature:			-55°C to +60°C
Ingress protection:			IP20
Nominal isolation voltage:			690 V
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

3 WAY SELECTOR SWITCH I-0-II

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e 3 way Selector Switch made of glass fibre reinforced polyester for application in hazardous areas.

Can be supplied with M20 cable glands for armored or non-armored cable.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	3 Way Selector Switch I-0-II (latching I+II) 1NO+1NC - M20 Plastic cable gland	3J0701
	3 Way Selector Switch I-0-II (latching I+II) 2NC - M20 Plastic cable gland	3J0702
	3 Way Selector Switch I-0-II (latching I+II) 2NO - M20 Plastic cable gland	3J0703
	3 Way Selector Switch I-0-II (latching I+II) 1NO+1NC - M20 Brass Cable Gland	3J0704
	3 Way Selector Switch I-0-II (latching I+II) 2NC - M20 Brass Cable Gland	3J0705
	3 Way Selector Switch I-0-II (latching I+II) 2NO - M20 Brass Cable Gland	3J0706
	3 Way Selector Switch I-0-II (latching I+II) 1NO+1NC - M20 Nickel-Plated Brass Cable Gland	3J0707
	3 Way Selector Switch I-0-II (latching I+II) 2NC - M20 Nickel-Plated Brass Cable Gland	3J0708
	3 Way Selector Switch I-0-II (latching I+II) 2NO - M20 Nickel-Plated Brass Cable Gland	3J0709

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1x M20x1,5

INTERNAL CONTACT MODULE			
	II 2G Ex de IIC Gb I M2 Ex de I Mb		
Marking:	II 2G Ex de IIC Gb I M2 Ex de I Mb		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

EX E, GRP EMERGENCY STOP - ARMOURED CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e Emergency Stop mushroom button made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 brass or nickel-plated brass cable glands for installation with armoured cable.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	Emergency Mushroom Button (e) 1NO+1NC - M20 Brass Cable Gland	3J0101
	Emergency Mushroom Button (e) 2NC - M20 Brass Cable Gland	3J0102
	Emergency Mushroom Button (e) 2NO - M20 Brass Cable Gland	3J0103
	Emergency Mushroom Button (e) 1NO+1NC - M20 Nickel-Plated Brass Cable Gland	3J0104
	Emergency Mushroom Button (e) 2NC - M20 Nickel-Plated Brass Cable Gland	3J0105
	Emergency Mushroom Button (e) 2NO - M20 Nickel-Plated Brass Cable Gland	3J0106

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Brass or nickel-plated brass cable gland (13,2-20,5 mm)

INTERNAL CONTACT MODULE

Marking:			
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

EMERGENCY STOP WITH PROTECTION HOOD - ARMOURED CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



EU-Type Examination Certificate

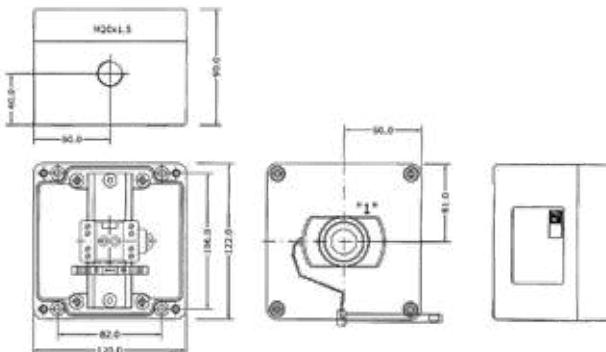
ITEM REFERENCES		
Designation:		Item No.:
	Emergency Mushroom Button w/ Protection Hood 1NO+1NC - M20 Brass Cable Gland	3J0107
	Emergency Mushroom Button w/ Protection Hood 2NC - M20 Brass Cable Gland	3J0108
	Emergency Mushroom Button w/ Protection Hood 2NO - M20 Brass Cable Gland	3J0109
	Emergency Mushroom Button w/ Protection Hood 1NO+1NC - M20 Nickel-Plated Brass Cable Gland	3J0110
	Emergency Mushroom Button w/ Protection Hood 2NC - M20 Nickel-Plated Brass Cable Gland	3J0111
	Emergency Mushroom Button w/ Protection Hood 2NO - M20 Nickel-Plated Brass Cable Gland	3J0112

INTERNAL CONTACT MODULE

Marking:	 		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Brass or nickel-plated brass cable gland (13,2-20,5 mm)



EX E, GRP EMERGENCY STOP - NON ARMoured CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e Emergency Stop mushroom button made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 polyamide cable glands for installation with unarmoured cable.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	Emergency Mushroom Button (e) 1NO+1NC - M20 Plastic cable gland	3J0201
	Emergency Mushroom Button (e) 2NC - M20 Plastic cable gland	3J0202
	Emergency Mushroom Button (e) 2NO - M20 Plastic cable gland	3J0203

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Plastic cable gland (7 - 13 mm)

INTERNAL CONTACT MODULE			
Marking:			
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

EMERGENCY STOP WITH PROTECTION HOOD - NON ARMOURED CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e Emergency Stop mushroom button with protection hood made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 brass or nickel-plated brass cable glands for installation with unarmoured cable.

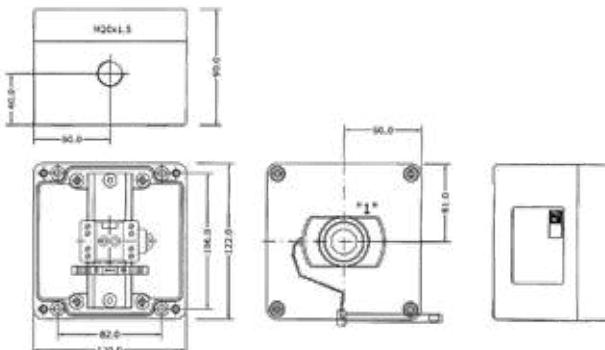


EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	Emergency Mushroom Button w/ Protection Hood 1NO+1NC - M20 Plastic cable gland	3J0204
	Emergency Mushroom Button w/ Protection Hood 2NC - M20 Plastic cable gland	3J0205
	Emergency Mushroom Button w/ Protection Hood 2NO - M20 Plastic cable gland	3J0206

INTERNAL CONTACT MODULE			
Marking:	 		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Plastic cable gland (7 - 13 mm)



EX E GRP EMERGENCY STOP - HIGH TEMPERATURE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

4

Ex

CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Emergency stop pushbuttons made of glass-fibre reinforced polyester for use in explosive atmospheres, suitable for ambient temperatures of +60°C.

Fitted with polyamide, brass or nickel-plated brass M20 cable glands for installation with armoured or non-armoured cable.

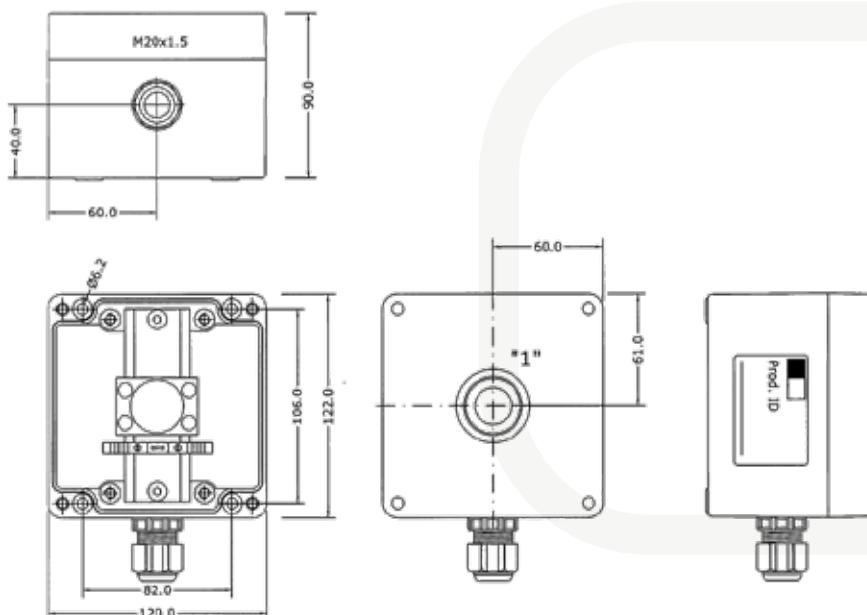


EU-Type Examination Certificate

ITEM REFERENCES		
Designation:	Item No.:	
	Emergency Stop +60 2NC - M20 Plastic cable gland	3J0140
	Emergency Stop +60 2NC - M20 Brass cable gland	3J0141
	Emergency Stop +60 2NC - M20 Nickel-plated brass cable gland	3J0142

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +60°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5



4-POLE GRP EMERGENCY STOP

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



4-pole Ex e emergency mushroom made of glass fibre reinforced polyester for application in hazardous areas.

Supplied with 3 M20 entries for armoured or non-armoured cable.



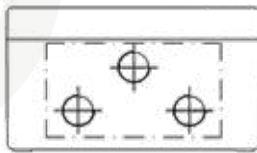
EU-Type Examination Certificate

ITEM REFERENCES

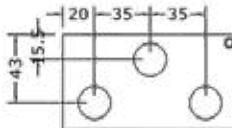
Designation:	Item No.:
4-Pole Emergency Stop	3J0113

TECHNICAL SPECIFICATIONS

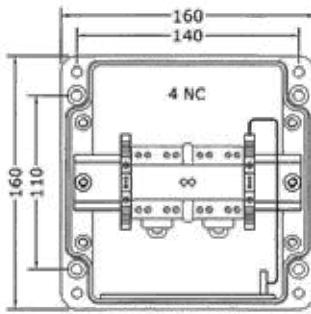
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
External electrical devices:	4-pole Emergency stop mushroom 4NC
Internal mounting plate:	2 PE terminals WPE4
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	3xM20x1,5 (cable glands / plugs not included)



Side B:
3 tapped holes M20x1,5



earth plate 110x60x3mm with
3 holes Ø20.5mm



POTENTIOMETER

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e Potentiometer made of glass fibre reinforced polyester for application in hazardous areas.

Can be supplied with M20 cable glands for armored or non-armored cable.



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:			Item No.:
	Potentiometer 1 kOhm (scale 0...10)		3J0901
	Potentiometer 10 kOhm (scale 0...10)		3J0904
	Potentiometer 1 kOhm (scale 0...10)		3J0905
	Potentiometer 10 kOhm (scale 0...10)		3J0908
	Potentiometer 1 kOhm (scale 0...10)		3J0909
	Potentiometer 10 kOhm (scale 0...10)		3J0912

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5

INTERNAL CONTACT MODULE

Marking:	 	Rotation:	mech. 285° -5° electr. about approx. 250°
Certificate:	EU-Type Examination Certificate	Rated output:	max. 1 W at $T_a < +40^\circ C$
Operating temperature:	-55°C to +60°C	Resistor material:	carbon film on ceramics
Ingress protection:	IP20	Torque (beginning):	0.5 to 1.5 Ncm
Rated insulation voltage:	500 V	Torque (end stop):	≥ 100 Ncm
Max. rated voltage:	AC/DC 320 V	Enclosure material:	thermoplastic
Resistance:	1 kΩ to 10 kΩ	Connection:	Double terminals 2 x 2.5 mm ²
Curve shape:	linear	Mechanical life:	25000 sinusoidal cycles
Resistance tolerance:	± 20 %	Weight:	approx. 71 g

START-STOP CONTROL STATION - ARMOURED CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Start-Stop Control Station made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 brass or nickel-plated brass cable glands for installation with armoured cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
START 2NO (GREEN) - STOP 2NC (RED) Control Station - Brass Cable Gland	3J0308
START 2NO (GREEN) - STOP 2NC (RED) Control Station - Nickel Plated Brass Cable Gland	3J0309
START 1NO+1NC (GREEN) - STOP 1NO+1NC (RED) Control Station - Brass Cable Gland	3J0310
START 1NO+1NC (GREEN) - STOP 1NO+1NC (RED) Control Station - Nickel Plated Brass Cable Gland	3J0311

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Brass or nickel-plated brass cable gland (13,2-20,5 mm)

INTERNAL CONTACT MODULE

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Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55°C to +60°C
Ingress protection:	IP20
Nominal isolation voltage:	690 V

Voltage range:

400 V	400 V	110 V	24 V
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Utilization categories:

AC-12	AC-15	DC-13	DC-13
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Current range:

16 A	10 A	0,5 A	1 A
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START-STOP CONTROL STATION - NON ARMOURED CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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Ex

CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Start-Stop Control Station made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 polyamide cable glands for installation with unarmoured cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
START 2NO (GREEN) - STOP 2NC (RED) Control Station - Plastic Cable Gland	3J0306
START 1NO+1NC (GREEN) - STOP 1NO+1NC (RED) Control Station - Plastic Cable Gland	3J0307

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Plastic cable gland (7 - 13 mm)

INTERNAL CONTACT MODULE

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55°C to +60°C
Ingress protection:	IP20
Nominal isolation voltage:	690 V
Voltage range:	
400 V	400 V
110 V	24 V
Utilization categories:	
AC-12	AC-15
DC-13	DC-13
Current range:	
16 A	10 A
0,5 A	1 A

START-EMERGENCY STOP CONTROL STATION

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Start-Emergency Stop Control Station made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 polyamide cable glands for installation with unarmoured cable, or M20 brass or nickel-plated brass cable glands for installation with armoured cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
START 2NO (GREEN) - EMERGENCY STOP 2NC Control Station - Plastic Cable Gland	3J1201
START 2NO (GREEN) - EMERGENCY STOP 2NC Control Station - Brass Cable Gland	3J1202
START 2NO (GREEN) - EMERGENCY STOP 2NC Control Station - Nickel Plated Brass Cable Gland	3J1203

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5

INTERNAL CONTACT MODULE

Marking:	II 2G Ex de IIC Gb I M2 Ex de I Mb		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

2 SELECTOR SWITCH CONTROL STATION

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Control stations equipped with 2 0-I selector switches for hazardous areas, made of glass-fibre reinforced polyester for use in explosive atmospheres.

Fitted with M20 brass or nickel-plated brass cable glands for armoured cable or polyamide cable glands for installation with non-armoured cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
2 Selector Switch Control Station - Brass Cable Gland	3J1101
2 Selector Switch Control Station - Nickel Plated Brass Cable Gland	3J1102
2 Selector Switch Control Station - Plastic Cable Gland	3J1103

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5

INTERNAL CONTACT MODULE

Marking:	II 2G Ex de IIC Gb I M2 Ex de I Mb		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

COMPACT S-S-E CONTROL STATION - ARMOURED CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Compact Start-Stop-Emergency Control Station made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 brass or nickel-plated brass cable glands for installation with armoured cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
START-STOP (GREEN-RED) 1NO+1NC - EMERGENCY STOP 2NC Control Station - Brass Cable Gland	3J0304
START-STOP (GREEN-RED) 1NO+1NC - EMERGENCY STOP 2NC Control Station - Nickel Plated Brass Cable Gland	3J0305

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Brass or nickel-plated brass cable gland (13,2-20,5 mm)

INTERNAL CONTACT MODULE

Marking:	II 2G Ex de IIC Gb I M2 Ex de I Mb		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

COMPACT S-S-E CONTROL STATION - NON ARMoured CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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Cx

CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Compact Start-Stop-Emergency Control Station made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M20 polyamide cable glands for installation with unarmoured cable.



EU-Type Examination Certificate

ITEM REFERENCES	
Designation:	Item No.:
START-STOP (GREEN-RED) 1NO+1NC - EMERGENCY STOP 2NC Control Station - Plastic Cable Gland	3J0303

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5 Plastic cable gland (7 - 13 mm)

INTERNAL CONTACT MODULE			
Marking:			
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

START-STOP-EMERGENCY CONTROL STATION - ARMOURED CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Start-Stop-Emergency Control Station made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M25 brass or nickel-plated brass cable glands for installation with armoured cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
START 2NO (GREEN) - STOP 2NC (RED) - EMERGENCY STOP 2NC Control Station - Brass Cable Gland	3J0401
START 2NO (GREEN) - STOP 2NC (RED) - EMERGENCY STOP 2NC Control Station - Nickel Plated Brass Cable Gland	3J0402
START 1NO+1NC (GREEN) - STOP 1NO+1NC (RED) - EMERGENCY STOP 2NC Control Station - Brass Cable Gland	3J0403
START 1NO+1NC (GREEN) - STOP 1NO+1NC (RED) - EMERGENCY STOP 2NC Control Station - Nickel Plated Brass Cable Gland	3J0404

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM25x1,5 Brass or nickel-plated brass cable gland (13,2-20,5 mm)

INTERNAL CONTACT MODULE

Marking:			
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-55°C to +60°C		
Ingress protection:	IP20		
Nominal isolation voltage:	690 V		
Voltage range:			
400 V	400 V	110 V	24 V
Utilization categories:			
AC-12	AC-15	DC-13	DC-13
Current range:			
16 A	10 A	0,5 A	1 A

START-STOP-EMERGENCY CONTROL STATION - NON ARMoured CABLE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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Cx

CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Start-Stop-Emergency Control Station made of glass fibre reinforced polyester for application in hazardous areas.

Equipped with M25 polyamide cable glands for installation with unarmoured cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
START 2NO (GREEN) - STOP 2NC (RED) - EMERGENCY STOP 2NC Control Station - Plastic Cable Gland	3J0301
START 1NO+1NC (GREEN) - STOP 1NO+1NC (RED) - EMERGENCY STOP 2NC Control Station - Plastic Cable Gland	3J0302

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM25x1,5 Plastic cable gland (10 - 17 mm)

INTERNAL CONTACT MODULE

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55°C to +60°C
Ingress protection:	IP20
Nominal isolation voltage:	690 V
Voltage range:	
400 V	400 V
110 V	24 V
Utilization categories:	
AC-12	AC-15
DC-13	DC-15
Current range:	
16 A	10 A
0,5 A	1 A

DOUBLE PUSHBUTTONS-EMERGENCY CONTROL STATION

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



ATEX-certified control panels equipped with 2 double pushbuttons and an emergency stop button, certified for use in hazardous areas, made of glass-fibre reinforced polyester for use in explosive atmospheres.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
2 Double Pushbutton 1NO+1NC (GREEN-RED) - Emergency Stop 2NC Plastic cable gland M25 (10-17mm)	3J0135
2 Double Pushbutton 1NO+1NC (GREEN-RED) - Emergency Stop 2NC Brass Cable Gland M25 (13,2-20,5mm)	3J0136
2 Double Pushbutton 1NO+1NC (GREEN-RED) - Emergency Stop 2NC Brass Cable Gland M25 (17-26mm)	3J0137
2 Double Pushbutton 1NO+1NC (GREEN-RED) - Emergency Stop 2NC Nickel-plated Brass Cable Gland M25 (13,2-20,5mm)	3J0138
2 Double Pushbutton 1NO+1NC (GREEN-RED) - Emergency Stop 2NC Nickel-plated Brass Cable Gland M25 (17-26mm)	3J0139

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Dimensions:	220x120x90mm
Cable entries::	1xM25x1,5

INTERNAL CONTACT MODULE



Marking:	II 2G Ex de IIC Gb I M2 Ex de I Mb
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55°C to +60°C
Ingress protection:	IP20
Nominal isolation voltage:	690 V

Voltage range:

400 V	400 V	110 V	24 V
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Utilization categories:

AC-12	AC-15	DC-13	DC-13
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Current range:

16 A	10 A	0,5 A	1 A
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3 INDICATOR LIGHTS CONTROL STATION

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



ATEX-certified control panels equipped with 3 pilot lights, made of glass-fibre reinforced polyester for use in explosive atmospheres.

Available colours: White (sw), Red (sr), Green (sg), Blue (sb), Yellow (sy)



EU-Type Examination Certificate

ITEM REFERENCES	
Designation:	Item No.:
3 Indicator Lights Control Station - M25 Brass Cable Gland (13,2 - 20,5 mm)	3J0610
3 Indicator Lights Control Station - M25 Nickel Plated Brass Cable Gland (13,2 - 20,5 mm)	3J0611
3 Indicator Lights Control Station - M25 Plastic Cable Gland (10 - 17 mm)	3J0612

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM25x1,5

INTERNAL MODULE FOR INDICATOR LIGHTS

Marking:	II 2G Ex de IIC Gb I M2 Ex de I Mb
Certificate:	EU-Type Examination Certificate
Operating temperature:	-55 °C to +50 °C / +60 °C (AC/DC 12V to 24V)
Ingress protection:	IP20
Nominal isolation voltage:	300 V
Voltage range:	AC 12 V to 250 V ($T_a \leq +50^\circ\text{C}$) DC 12 V to 60 V ($T_a \leq +50^\circ\text{C}$) AC/DC 12 V to 24 V ($T_a \leq +60^\circ\text{C}$)
Power:	< 1 W
Lamp:	LED (Red, Green, Yellow, White, Blue)
Connection:	Terminals 2,5 mm ²
Operating cycle:	>10 ⁵ hours

AMMETER-START-EMERGENCY STOP CONTROL STATION

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



ATEX certified Control Panel equipped with an Ammeter, a Start pushbutton and an Emergency Mushroom.

With brass or nickel-plated brass M25 cable gland for installation with armoured cable or polyamide M25 cable gland for unarmoured cable.



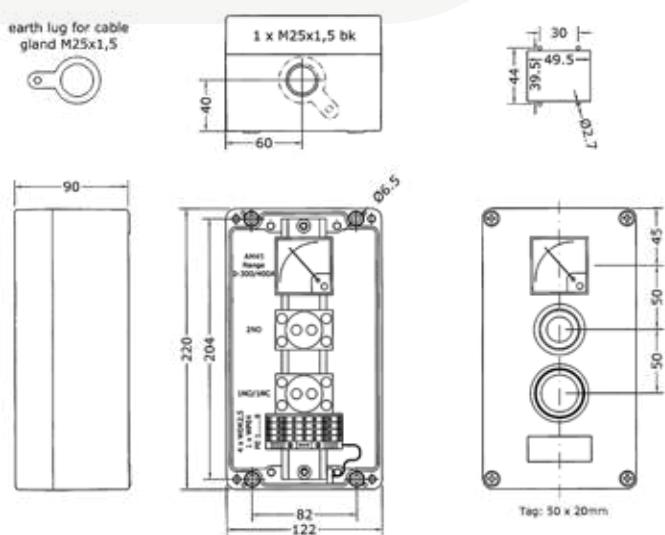
EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
AMMETER - START 2NO - EMERGENCY STOP 2NC Control Station - Brass Cable Gland	3J0501
AMMETER - START 2NO - EMERGENCY STOP 2NC Control Station - Nickel-plated Brass Cable Gland	3J0502
AMMETER - START 2NO - EMERGENCY STOP 2NC Control Station - Plastic Cable Gland	3J0503

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Dimensions:	220x122x90 mm
Material:	Glass fibre reinforced polyester (GRP)
Ingress protection:	IP65
Operating temperature:	-20°C to +40°C
Ammeter:	Range 0-300A / Full scale 450A / Current transformet 300/1A
Terminals:	8 x 2,5 mm ² (1-8) + 1 x PE
Cable entries:	1xM25x1,5 Armoured Cable (14-20,5 mm) Non-Armoured Cable (10 - 17 mm)



CONTROL STATION EQUIPPED WITH POTENTIOMETER

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

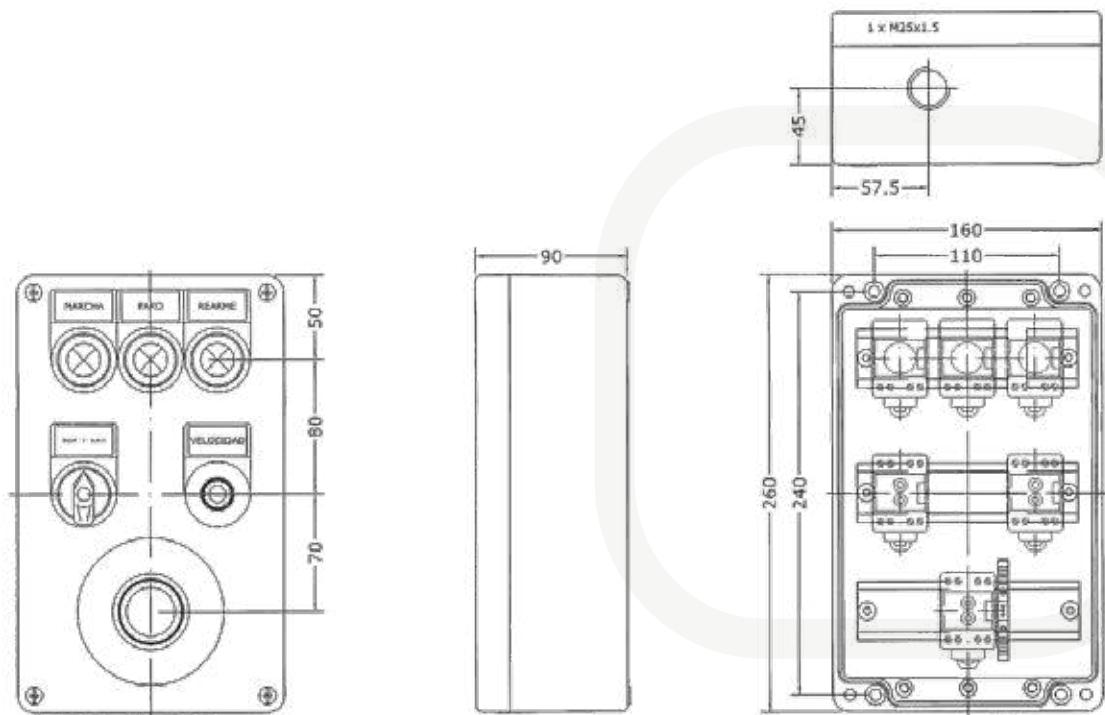
ZONES 1, 2 (gas) & 21, 22 (dust)



EU-Type Examination Certificate

ITEM REFERENCES	
Designation:	Item No.:
LCP A21-E1-02609 3 IPB 1 P 1 3-SW 1ES	3S0101

TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Dimensions:	260x160x90 mm
Cable entries::	1xM25x1,5 (cable gland not included)



PENDANT STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



The ATEX XAWP pendant control stations are suitable for all types of industry and primarily used on cranes.

The XAWP range is available with 2, 4, 6 or 8 pushbuttons with up to three contact blocks per operator. Custom double XAWP assemblies can be delivered to provide 12 or 16 way pendant control stations. The XAWP also features an optional double-step actuation mode for dual speed control.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
2-element pendant station	XAWP029
4-element pendant station	XAWP049
6-element pendant station	XAWP069
8-element pendant station	XAWP089
12-element pendant station	XAWP069D
16-element pendant station	XAWP089D

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +60°C
Ingress protection:	IP65 according to EN/IEC 60529
Material:	Glass fibre reinforced polyester (GRP)
Features of the contact block:	I _{th} = 10 A; U _i = 415 V AC U _e = 380 V; I _e = 1,9 A or U _e = 240 V; I _e = 3 A or U _e = 120 V; I _e = 6 A DC U _e = 250 V; I _e = 0,27 A or U _e = 125 V; I _e = 0,55 A or U _e = 24 V; I _e = 2,87 A
Features of the LED pilot light:	Rated voltage: 24...254 V AC/DC Maximal current: 2...10 mA
Mechanical endurance:	Head: 5 million operations - Contact block: 1 million operations
Cable entries:	For cable Ø 10 to Ø 22 mm

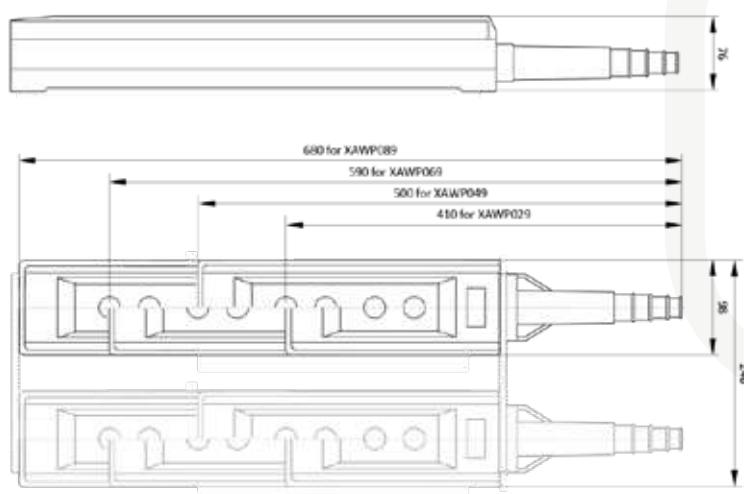
PENDANT STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

OPERATORS		
Pushbuttons	White	XAWP9411
	Black	XAWP9412
	Green	XAWP9413
	Red	XAWP9414
Pilot lights	White	XLW5AV013-XAWP
	Green	XLW5AV033-XAWP
	Red	XLW5AV043-XAWP
	Yellow	XLW5AV053-XAWP
(24V ... 254V AC-DC)	Blue	XLW5AV063-XAWP
	2 fixed positions - Black	XBW5AD21
	3 fixed positions - Black	XBW5AD33
	Emergency Mushroom head (Ø 40)	XBW5AS844-XAWP
Emergency Mushroom head (Ø 30)	Red	XBW5AS834-XAWP

ARROW FOR DOUBLE STEP PUSHBUTTON		ARROW FOR SINGLE STEP PUSHBUTTON	
Type:	Item No.:	Type:	Item No.:
UP	ZBWY4953	UP	ZBWY4951
DOWN	ZBWY2956	DOWN	ZBWY2954
RIGHT	ZBWY4903	RIGHT	ZBWY4901
LEFT	ZBWY2906	LEFT	ZBWY2904
FORWARD	ZBWY4965	FORWARD	ZBWY4963
REVERSE	ZBWY2968	REVERSE	ZBWY2966
		FAST UP	ZBWY4952
		FAST DOWN	ZBWY2955
		FAST RIGHT	ZBWY4902
		FAST LEFT	ZBWY2905
		FAST FORWARD	ZBWY4964
		FAST REVERSE	ZBWY2967
		I	ZBWY4980
		O	ZBWY2931
		O - I	ZBWY2178
		I - II	ZBWY2179
		I - O - II	ZBWY2186
		EMERGENCY STOP	ZBWY2330



6-ELEMENT PENDANT STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



The ATEX XAWP pendant control stations are suitable for all types of industry and primarily used on cranes.

Configuration:

1 white/black booted pushbutton with inter-lockable mechanism
2 speeds, 2NO contact per function, "Up" and "Down" twin arrows.

1 white/black booted pushbutton with inter-lockable mechanism
2 speeds, 2NO contact per function, "Left" and "Right" twin arrows.

1 Plug

1 emergency stop Ø40 mushroom turn to release, 2NC contact, "Emergency Stop"



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Use:	Zones:	Item No.:
6-element pendant station	Indoor/Outdoor	1,2,21,22	3J1008

TECHNICAL SPECIFICATIONS							
Marking:	 						
Certificate:	EU-Type Examination Certificate						
Operating temperature:	-20°C to +60°C						
Ingress protection:	IP65 according to EN/IEC 60529						
Material:	Glass fibre reinforced polyester (GRP)						
Dimensions:	590x98x76 mm						
Features of the contact block:	$I_{th} = 10 \text{ A}$; $U_i = 415 \text{ V}$ <table border="1"><tr><td>AC</td><td>$U_e = 380 \text{ V}$; $I_e = 1,9 \text{ A}$ or $U_e = 240 \text{ V}$; $I_e = 3 \text{ A}$ or $U_e = 120 \text{ V}$; $I_e = 6 \text{ A}$</td></tr><tr><td>DC</td><td>$U_e = 250 \text{ V}$; $I_e = 0,27 \text{ A}$ or $U_e = 125 \text{ V}$; $I_e = 0,55 \text{ A}$ or $U_e = 24 \text{ V}$; $I_e = 2,87 \text{ A}$</td></tr></table>			AC	$U_e = 380 \text{ V}$; $I_e = 1,9 \text{ A}$ or $U_e = 240 \text{ V}$; $I_e = 3 \text{ A}$ or $U_e = 120 \text{ V}$; $I_e = 6 \text{ A}$	DC	$U_e = 250 \text{ V}$; $I_e = 0,27 \text{ A}$ or $U_e = 125 \text{ V}$; $I_e = 0,55 \text{ A}$ or $U_e = 24 \text{ V}$; $I_e = 2,87 \text{ A}$
AC	$U_e = 380 \text{ V}$; $I_e = 1,9 \text{ A}$ or $U_e = 240 \text{ V}$; $I_e = 3 \text{ A}$ or $U_e = 120 \text{ V}$; $I_e = 6 \text{ A}$						
DC	$U_e = 250 \text{ V}$; $I_e = 0,27 \text{ A}$ or $U_e = 125 \text{ V}$; $I_e = 0,55 \text{ A}$ or $U_e = 24 \text{ V}$; $I_e = 2,87 \text{ A}$						
Features of the LED pilot light:	Rated voltage: 24...254 V AC/DC Maximal current: 2...10 mA						
Mechanical endurance:	Head: 5 million operations - Contact block: 1 million operations						
Cable entries:	For cable Ø 10 to Ø 22 mm						

8-ELEMENT PENDANT STATIONS V1

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

4



CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



The ATEX XAWP pendant control stations are suitable for all types of industry and primarily used on cranes.

Configuration:

1 white/black booted pushbutton with inter-lockable mechanism
2 speeds, 2 NO contact per function, "Up" and "Down" twin arrows.

1 white/black booted pushbutton with inter-lockable mechanism
2 speeds, 2 NO contact per function, "Left" and "Right" twin arrows.

1 white/black booted pushbutton with inter-lockable mechanism
2 speeds, 2 NO contact per function, "Forward" and "Reverse" twin arrows.

1 Plug

1 emergency stop Ø40 mushroom turn to release, 2NC contact, "Emergency Stop"



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Use:	Zones:	Item No.:
8-element pendant station V1	Indoor/Outdoor	1,2,21,22	3J1006

TECHNICAL SPECIFICATIONS			
Marking:	 	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIC T85°C Db IP65	
Certificate:		EU-Type Examination Certificate	
Operating temperature:		-20°C to +60°C	
Ingress protection:		IP65 according to EN/IEC 60529	
Material:		Glass fibre reinforced polyester (GRP)	
Dimensions:		680x98x76 mm	
Features of the contact block:	I _{th} = 10 A; U _i = 415 V AC U _e = 380 V; I _e = 1,9 A o U _e = 240 V; I _e = 3 A o U _e = 120 V; I _e = 6 A DC U _e = 250 V; I _e = 0,27 A o U _e = 125 V; I _e = 0,55 A o U _e = 24 V; I _e = 2,87 A		
Features of the LED pilot light:	Rated voltage: 24...254 V AC/DC Maximal current: 2...10 mA		
Mechanical endurance:	Head: 5 million operations - Contact block: 1 million operations		
Cable entries:	For cable Ø 10 to Ø 22 mm		

8-ELEMENT PENDANT STATIONS V2

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



The ATEX XAWP pendant control stations are suitable for all types of industry and primarily used on cranes.

Configuration:

1 white/black booted pushbutton with inter-lockable mechanism
2 speeds, 2NO contact per function, "Up" and "Down" twin arrows.

1 white/black booted pushbutton with inter-lockable mechanism
2 speeds, 2NO contact per function, "Left" and "Right" twin arrows.

1 green booted pushbutton, 1NO contact, "I".
1 red booted pushbutton, 1NC contact, "0".

1 Plug

1 emergency stop Ø40 mushroom turn to release, 2NC contact, "Emergency Stop"



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Use:	Zones:	Item No.:
8-element pendant station V2	Indoor/Outdoor	1,2,21,22	3J1009

TECHNICAL SPECIFICATIONS			
Marking:	Ex II 2G Ex db eb IIC T6 Gb Ex II 2D Ex tb IIIC T85°C Db IP65		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-20°C to +60°C		
Ingress protection:	IP65 according to EN/IEC 60529		
Material:	Glass fibre reinforced polyester (GRP)		
Dimensions:	680x98x76 mm		
Features of the contact block:	I _{th} = 10 A; U _i = 415 V AC U _e = 380 V; I _e = 1,9 A o U _e = 240 V; I _e = 3 A o U _e = 120 V; I _e = 6 A DC U _e = 250 V; I _e = 0,27 A o U _e = 125 V; I _e = 0,55 A o U _e = 24 V; I _e = 2,87 A		
Features of the LED pilot light:	Rated voltage: 24...254 V AC/DC Maximal current: 2...10 mA		
Mechanical endurance:	Head: 5 million operations - Contact block: 1 million operations		
Cable entries:	For cable Ø 10 to Ø 22 mm		

12-ELEMENT PENDANT STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)

The ATEX XAWP pendant control stations are suitable for all types of industry and primarily used on cranes.



Configuration example:

Left side:

1 emergency stop Ø40 mushroom turn to release, 1 NC contact, "Emergency Stop"
 1 green booted pushbutton, 1 NO contact, "I"
 1 white/black booted pushbutton, inter-lockable mechanism 1 speed, 1 NO contact per function, "Hoist slow up" and "Hoist slow down" twin arrows.
 1 white/black booted pushbutton, inter-lockable mechanism 1 speed, 1 NO contact per function, "Hoist fast up" and "Hoist fast down" twin arrows.

Right side:

1 white/black booted pushbutton, inter-lockable mechanism 2 speeds, 2 NO contact per function, "CT Forward" and "CT Reverse" twin arrows.
 1 white/black booted pushbutton, inter-lockable mechanism 2 speeds, 2 NO contact per function, "LT Left" and "LT Right" twin arrows.
 1 white/black booted pushbutton, inter-lockable mechanism 2 speeds, 2 NO contact per function, "CRD forward" and "CRD reverse" twin arrows.



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Use:	Zones:	Item No.:
12-element pendant station	Indoor/Outdoor	1,2,21,22	3J1002

TECHNICAL SPECIFICATIONS			
Marking:	 		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-20°C to +60°C		
Ingress protection:	IP65 according to EN/IEC 60529		
Material:	Glass fibre reinforced polyester (GRP)		
Dimensions:	603x246x76 mm		
Features of the contact block:	I _{th} = 10 A; U _i = 415 V AC U _e = 380 V; I _e = 1,9 A o U _e = 240 V; I _e = 3 A o U _e = 120 V; I _e = 6 A DC U _e = 250 V; I _e = 0,27 A o U _e = 125 V; I _e = 0,55 A o U _e = 24 V; I _e = 2,87 A		
Features of the LED pilot light:	Rated voltage: 24...254 V AC/DC Maximal current: 2...10 mA		
Mechanical endurance:	Head: 5 million operations - Contact block: 1 million operations		
Cable entries:	For cable Ø 10 to Ø 22 mm		

16-ELEMENT PENDANT STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)

The ATEX XAWP pendant control stations are suitable for all types of industry and primarily used on cranes.



Configuration example:

Left side:

- 1 emergency stop Ø40 mushroom turn to release, 1 NC contact, "Emergency Stop"
- 1 green booted pushbutton, 1 NO contact, "I"
- 1 black/white double push button, 1 speed, 1 NO contact, "UP" slow/fast
- 1 black/white double push button, 1 speed, 1 NO contact, "DOWN" slow/fast
- 1 black/white double push button, 1 speed, 1 NO contact, "UP", "DOWN"

Right side:

- 1 black/white double push button, 1 speed, 1 NO contact, "LEFT" slow/fast
- 1 black/white double push button, 1 speed, 1 NO contact, "RIGHT" slow/fast
- 1 black/white double push button, 1 speed, 1 NO contact, "FORWARD" slow/fast
- 1 black/white double push button, 1 speed, 1 NO contact, "REVERSE" slow/fast



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Use:	Zones:	Item No.:
16-element pendant station	Indoor/Outdoor	1,2,21,22	3J1003

TECHNICAL SPECIFICATIONS			
Marking:	Ex II 2G Ex db eb IIC T6 Gb Ex II 2D Ex tb IIIC T85°C Db IP65		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-20°C to +60°C		
Ingress protection:	IP65 according to EN/IEC 60529		
Material:	Glass fibre reinforced polyester (GRP)		
Dimensions:	680x250x80 mm		
Features of the contact block:	It _h = 10 A; U _i = 415 V AC U _e = 380 V; I _e = 1,9 A o U _e = 240 V; I _e = 3 A o U _e = 120 V; I _e = 6 A DC U _e = 250 V; I _e = 0,27 A o U _e = 125 V; I _e = 0,55 A o U _e = 24 V; I _e = 2,87 A		
Features of the LED pilot light:	Rated voltage: 24...254 V AC/DC Maximal current: 2...10 mA		
Mechanical endurance:	Head: 5 million operations - Contact block: 1 million operations		
Cable entries:	For cable Ø 10 to Ø 22 mm		

EX-D LOCAL CONTROL STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)

Ex-d local control stations certified for application in hazardous area zones 1,2 and zones 21,22.

- Pushbuttons
- Pilot lights
- Mushroom type pushbuttons
- Switches

External screws in stainless steel.



EU-Type Examination Certificate

Fully configurable through a huge variety of elements.

ITEM REFERENCES

Designation:	Cable entries:	A	B	C	Weight (g):
PB1 - 1 Element (IIC)	2x3/4" NPT	106	86	87	480
PB2 - 2 Elements (IIC)	2x3/4" NPT	156	136	87	685
PB3 - 3 Elements (IIB+ H ₂)	2x3/4" NPT	206	186	87	890
PB4 - 4 Elements (IIB+ H ₂)	2x1" NPT	256	236	82	1520

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP66
Material:	Aluminium RAL 7000
Nominal current:	10 A
Nominal isolation voltage:	660 V
Nominal pulse voltage:	U _{imp} = 6 kV
Short circuit protection Ue<500 VAC:	10 A
Terminals:	According to IEC/EN 60947-1
Max. wires section:	2x2,5 mm ²
Working cycles:	1800 operations/hr (max)

TEMPERATURES

Command/Signalling:	Temp. class:		Max. T. Range:
	Gas	Dust	
LED lamps	T6	T85°C	-50°C to +60°C
	T5	T100°C	-50°C to +80°C
Command units	T6	T85°C	-50°C to +80°C

AC15 - A600

Voltage:	24 V	240 V	400 V
Current:	10 A	6 A	4 A

DC13 - Q600

Voltage:	24 V	125 V	250 V
Current:	2,8 A	0,55 A	0,27 A

MANIPULATORS

Voltage:	400 V AC
Current:	10 A

SIGNALLING LAMPS

Voltage:	260 V AC
Lamp:	LED

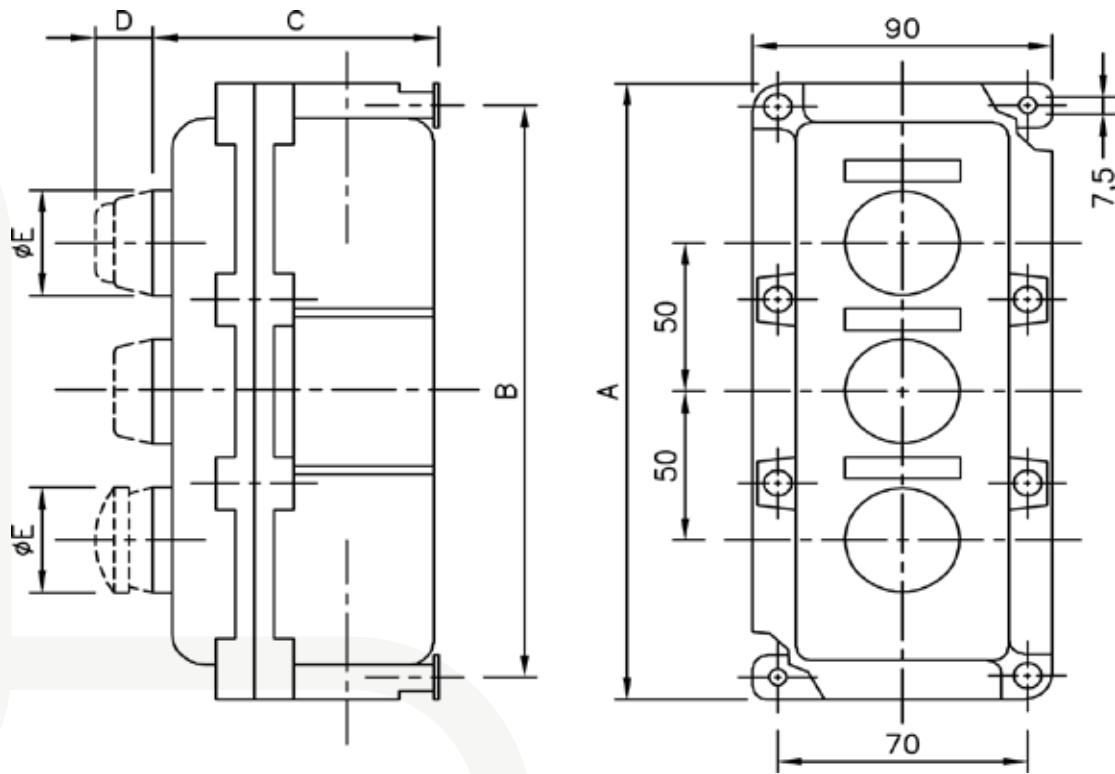
ILLUMINATED PUSHBUTTONS

Max. voltage:	230 V AC/DC
Max. power:	2 W

EX-D LOCAL CONTROL STATIONS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com



ELEMENTS				
Designation:	Dimensions (mm):		Contacts:	Weight (g):
	D	ØE		
START pushbutton	16	32	1NO	90
STOP pushbutton	16	32	1NC	90
Lighting START pushbutton	16	32	1NO	130
Lighting STOP pushbutton	16	32	1NC	130
Mushroom type pushbutton with spring return	30	50	1NO+1NC	100
Key switch 1-2 poles (pos. 0-1)	60	30	-	400
Two position key changeover switch 1-2 poles (pos. 1-2)	60	30	-	400
Three position key changeover switch 1-2 poles (pos. 1-0-2)	60	30	-	400
Triangular key switch 1-2 poles (pos. 0-1)	50	41	-	370
Two position triangular key changeover switch 1-2 poles (pos. 1-2)	50	41	-	370
Three position triangular key changeover switch 1-2 poles (pos. 1-0-2)	50	41	-	370
Mushroom type pushbutton with locking	30	50	1NO+1NC	100
Mushroom type pushbutton with rotary locking	58	33	1NO+1NC	180
Mushroom type pushbutton with locking and keylock	58	33	1NO+1NC	180
Pilot light	16	32	-	130
Switch 1-2 poles (pos. 0-1)	22	32	-	300
Two way changeover switch 1-2 poles (pos. 1-2)	22	32	-	300
Three way changeover switch 1-2 poles (pos. 1-0-2)	22	32	-	300

EX-D EMERGENCY STOP

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

4



CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Explosion-proof emergency mushroom for use in hazardous areas.
Ex d enclosure equipped with a rotary release mushroom-type button.

External screws in stainless steel.



EU-Type Examination Certificate



ITEM REFERENCES

Designation:	Item No.:
Ex d PB1 Emergency Stop (2NC)	3K0101

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP66
Material:	Aluminium RAL 7000
Nominal current:	10 A
Nominal isolation voltage:	660 V
Nominal pulse voltage:	$U_{imp}=6$ kV
Short circuit protection Ue<500 VAC:	10 A
Terminals:	According to IEC/EN 60947-1
Max. wires section:	2x2,5 mm ²
Working cycles:	1800 operations/hr (max)
Dimensions:	106 x 86 x 87 mm
Weight:	480 g approx.
Cable entries:	2x3/4" NPT (cable glands/plugs not included)

EX-D START-STOP CONTROL STATION

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Explosion-proof Start-Stop control panel for use in hazardous areas. Ex d enclosure equipped with a green 2NO pushbutton and a red 2NC pushbutton, fitted with 2 cable entries 3/4" NPT.

External screws in stainless steel.



EU-Type Examination Certificate



ITEM REFERENCES

Designation:	Item No.:
Ex d PB2_000114 Start-Stop	3K0110

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T85°C Db IP66
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP66
Material:	Aluminium RAL 7000
Nominal current:	10 A
Nominal isolation voltage:	660 V
Nominal pulse voltage:	$U_{imp} = 6 \text{ kV}$
Short circuit protection Ue<500 VAC:	10 A
Terminals:	According to IEC/EN 60947-1
Max. wires section:	2x2,5 mm ²
Working cycles:	1800 operations/hr (max)
Dimensions:	106 x 86 x 87 mm
Weight:	480 g approx.
Cable entries:	2x3/4" NPT (cable glands/plugs not included)

PB 135 EX MANUAL PUSH BUTTON

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX MANUAL CALL POINT

ZONES 1, 2 (gas) & 21, 22 (dust)



This manual call point «push button» is certified for use in explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It's dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications.

It's designed for corrosive environments and hazardous area.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA.

There are two versions available: push button and push button with key to release.

Housing is moulded Glass-Reinforced Polyester (GRP), dyed in the mass and protected by a paint UV resistant.



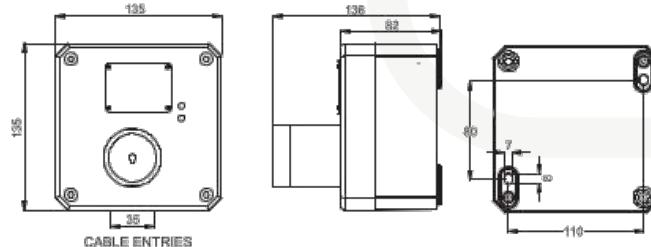
EU-Type Examination Certificate

PRODUCT CODE CONFIGURATOR								
SWITCH	DUTY LABEL	TAG LABEL	RESET	LED INDICATOR	FEATURES	CABLE ENTRIES	ENTRY POSITION	FINISH COLOUR
SINGLE = 1 x C/O	Y = YES	Y = YES	S = SELF RESET	L = RED & GREEN	F = LIFT FLAP	A = M20	T = TOP	RD = RED
	N = NO	N = NO		R = RED	R = RESISTOR	B = M25		YW = YELLOW
			K = KEY RESET	G = GREEN	D = DIODE	C = 1/2" NPT	B = BOTTTOM	BU = BLUE
				N = NO LED	N = NO FEATURES	C = 3/4" NPT		BL = BLACK
								OR = OTHER
ADD THE CODES RELATED TO THE FEATURES REQUIRED TO PB 135:								

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	T6: - 40°C to + 55°C T5: - 40°C to + 60°C T4: - 40°C to + 70°C
Ambient humidity*:	Until 95% with ice if flap option
Housing:	Glass fibre reinforced polyester (GRP)
Colour:	RED: RAL 3001 YELLOW**: RAL 1018 BLUE**: RAL 5005 BLACK**: RAL 9005
Rated impulse withstand voltage:	1kV following IEC 61000-4-5
Contact type:	1x C/O
Command type unit:	Self reset or key push pull
Conventional thermal current:	AC 125/250 V (50/60Hz) = 11 A***; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A***
Minimum voltage and current:	DC 5V 10mA
Short circuit protection:	10 A gG
Connection:	From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ²
Weight:	2 kg
Line resistor**:	470 Ohms
Signalling LED**:	Green U= 24V DC I=10mA; Red U=24V DC I= 20mA
Cable entries:	2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (specify) (cable glands not included)

* = without runoff - ** = optional - *** resistive load



EMERGENCY PUSHBUTTON WITH BREAKING GLASS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX MANUAL CALL POINT

ZONES 1, 2 (gas) & 21, 22 (dust)

The Emergency Pushbutton with Breaking Glass is a vital component that helps quick evacuation during fire detection or any other emergency situation where the operation of access control systems need to be disabled. It can be used for open or closed circuits.



Electric Execution Identification:

PB1 E0: The breaking of the glass releases the button that automatically closes and / or opens a contact (1NO+1NC).

PB1 E1: The breaking of the glass releases the button that shall be pressed to open and / or close a contact (1NO+1NC).



EU-Type Examination Certificate

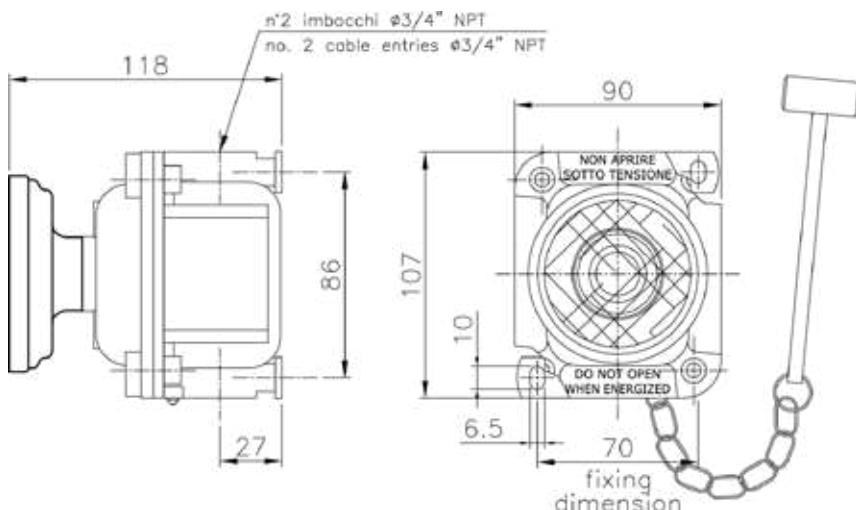
- External screws in Stainless Steel AISI 304 (On request AISI 316L).
- External accessories (hammer, chain, glass holder ring) in Stainless Steel.
- Extremely lightweight: 1050 g only.

ITEM REFERENCES

Designation:	Pushbutton operating code open/close:	Item No.:
PB1 E0	E0: pushbutton in releasing	3K0201
PB1 E1	E1: pushbutton to press	3K0202

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Aluminum light alloy. External epoxy RAL 3000
Operating temperature:	-20°C to +40°C (T6/T85°C) -20°C to +50°C (T5/T100°C) -20°C to +65°C (T4/T135°C)
Operating conditions:	Indoor / Outdoor
Dimensions:	107x 90 x 118 mm
Weight:	Approx. 1 kg
Ingress protection:	IP66
Cable entries:	2x3/4" NPT (cable glands not included)



EX MANUAL CALL POINT

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX MANUAL CALL POINT

ZONES 1, 2 (gas) & 21, 22 (dust)



The Ex Manual Call Point is designed for manual fire alert purposes in potentially explosive areas. Its protection type allows for applications in all Ex areas of zones 1, 2, 21 and 22. Type B Manual Call Point according to EN 54-11 or Special Alarm according to EN 12094/EN 12094-1.

Flexible, system-suited application thanks to different resistor modules.

The housing is made of glass fibre-reinforced polyester, which ensures its corrosion protection as well as its classification for protection classes II and III. Therefore, an equipotential bonding conductor is not needed.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:	Resistors:	Item No.:
Ex-Fire Switch	-	7F0101
Ex-Fire Switch	3,3 kΩ (RE) / 680 Ω (R)	7F0102
Ex-Fire Switch	3,9 kΩ (RE) / 820 Ω (R)	7F0103
Ex-Fire Switch	3,9 kΩ (RE) / 2,2 kΩ (R)	7F0104
Ex-Fire Switch	10 kΩ (RE) / 1 kΩ (R)	7F0105

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2G Ex de mb IIC/T6 Gb, T5 Gb Ex II 2D Ex tb IIIC T100°C Db IP66
Certificate:	EU-Type Examination Certificate
Housing:	Glass fibre reinforced polyester Fire alarm: red RAL 3000. Special alarm: yellow or blue on request
Surface resistance:	Electrostatically conductive
Operating temperature:	-55°C to +65°C (T6) -55°C to +85°C (T5)
Switching contact:	Changeover contact (embedded, II 2G Ex d II C)
Contact rating:	Max. 5 A/250 VAC 0.25 A/250 VDC
Connection terminals:	Up to 4 mm ² single or fine-wire
Dimensions:	Approx. 136 x 138 x 88 mm
Weight:	Approx. 1,8 kg
Ingress protection:	IP66 according to IEC 60529
Protection class:	II and III (no equipotential bonding necessary)
Operating conditions:	Indoors and outdoors
Operating position:	Wall mounting
Cable entries:	1x M16x1.5 plastic cable gland, cable clamping range Ø4-8 mm 1x M16x1.5 plastic blind plug

EX MANUAL CALL POINT

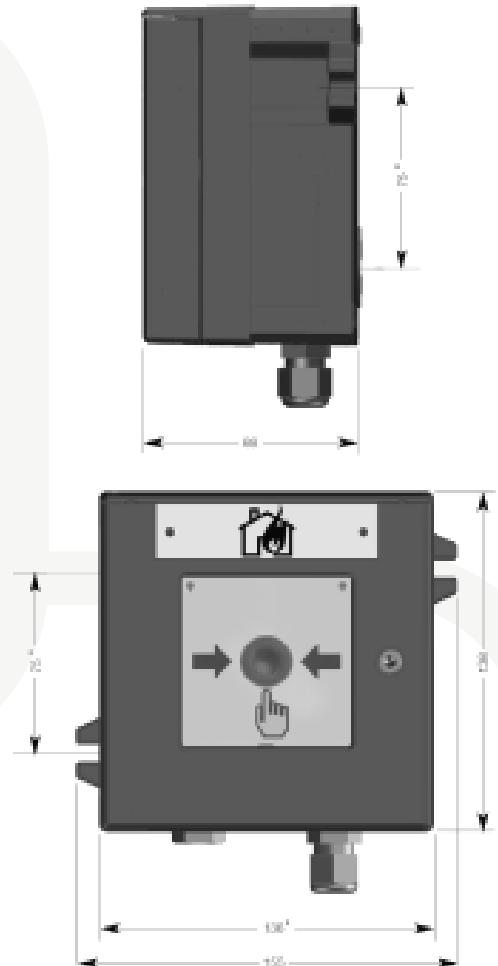
Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

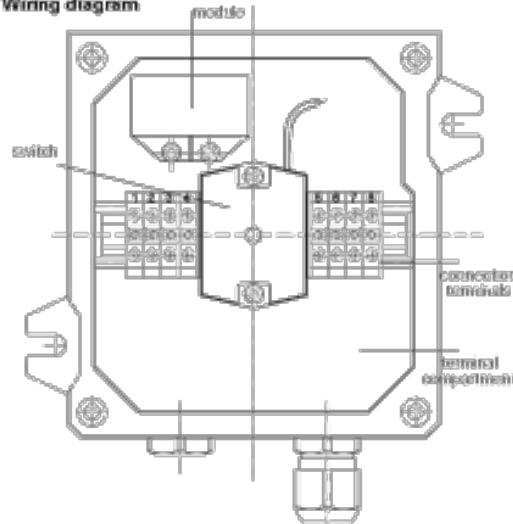
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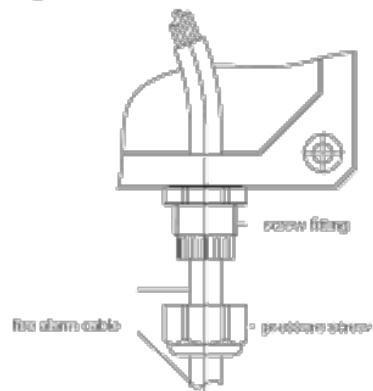
CONTROL & CONNECTION EQUIPMENT



Wiring diagram



Cable gland



4.6

STAINLESS STEEL CONTROL DEVICES



AB1-D3 PUSH BUTTON

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

STAINLESS STEEL ATEX DEVICES

ZONES 1, 2 (gas) & 21, 22 (dust)

The AB1-D3 push button is designed to control machines and systems in hazardous areas classified as Zone 1/2 and Zone 21/22. Its high IP protection rating and corrosion-resistant stainless steel housing ensure a long service life, even in aggressive environmental conditions. With its particularly flat design and rounded edges, the push button minimizes exposed surfaces, reducing the risk of external damage and dirt accumulation.



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Changeover:	Cable lenght:	Item No.:
AB1-D3-0301 10	1 CO	1,5 m	3A1001
AB1-D3-0301 20		3 m	3A1002
AB1-D3-0301 30		5 m	3A1003
AB1-D3-0301 40		10 m	3A1004
AB1-D3-0601 10	2 CO	1,5 m	3A1005
AB1-D3-0601 20		3 m	3A1006
AB1-D3-0601 30		5 m	3A1007
AB1-D3-0601 40		10 m	3A1008

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20 °C to +60 °C
Operating voltage:	24 VDC / 230 VAC double insulated
Current consumption:	max. 1 A
Electric life:	6.0 E + 03 (230 VAC 1A) 5.0 E + 04 (30 VDC 1A)
Housing:	Stainless steel 1.4305
Mechanical life:	1.0 E + 08 switching cycles
Sealing:	EPDM
Ingress protection:	IP65
Impact resistance:	7 Nm
Mounting hole:	22.0 ... 22.3 mm / M22 x 1.5
Torque:	8 Nm
For housing thickness:	1.0 ... 15.0 mm
Weight:	150 gr (1.5 m)
Type AB1-D3 / 1 CO	
Flying lead:	3 x 0.5 mm ² / Oilflex 100 / Ø 5.4 mm
Electrical connection:	(1) brown = com / (2) black = NC / (3) grey = NO
Type AB1-D3 / 2 CO	
Flying lead:	6 x 0.5 mm ² Ø 6.9 mm
Electrical connection:	(1) brown + (4) blue = com / (2) black + (5) white = NC / (3) grey + (6) orange = NO

AB1-D3 PUSH BUTTON

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

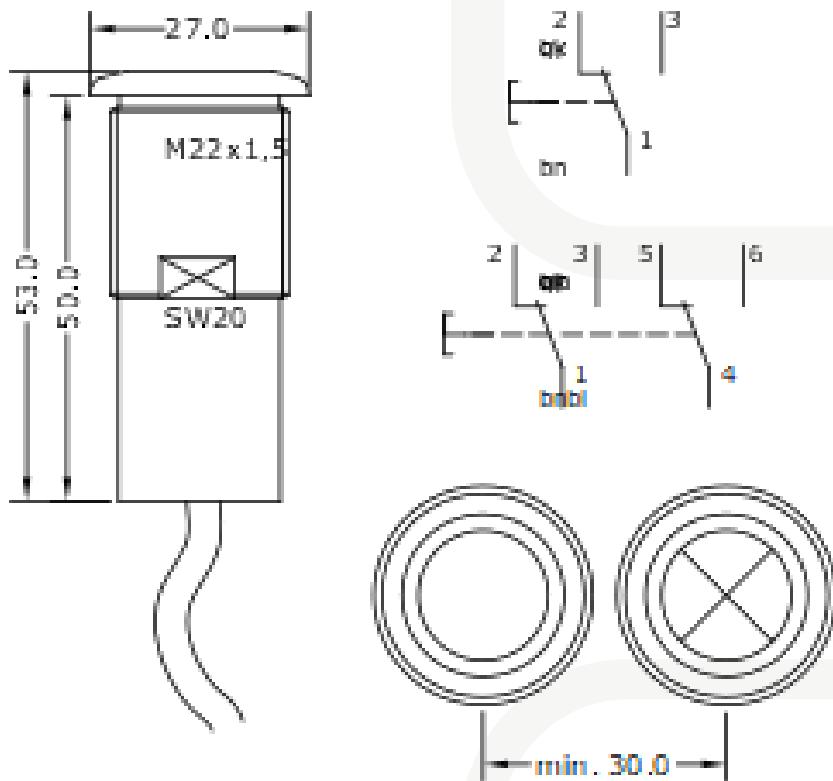
CONNECT and ACT - Due to the approval as a device, this push button can be installed in the front of a machine in the Ex zone without further certification. The low installation depth enables a particularly space-saving use.

The AB1-D3 push button has also been tested in order to be installed in certified control panels of types of protection Ex e and Ex t.

The scope of delivery includes a plastic lock nut and colored insert labels in red, yellow, green, white and black.

ACCESSORIES

Description:	Item No.:
Earthing set (earth lug + nut)	216742
Stopping plug M22 x 1.5 VA	216751



AB1-M3 LED SIGNAL LAMP

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

STAINLESS STEEL ATEX DEVICES

ZONES 1, 2 (gas) & 21, 22 (dust)



The signal lamp type AB1-M3 reliably indicates signal status on machines and systems in hazardous areas in zone 1/2 and zone 21/22.

The high degree of IP protection and the corrosion resistant stainless steel housing guarantee a long service life, even under aggressive environmental conditions.

Due to the flat design and rounded edges, the signal lamp offers little surface for external damage and dirt deposits.



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Color:	Cable lenght:	Item No.:
AB1-M3-R0-1	Red	1,5m	3A0101
AB1-M3-Y0-1	Yellow		3A0102
AB1-M3-G0-1	Green		3A0103
AB1-M3-W0-1	White		3A0104
AB1-M3-B0-1	Blue		3A0105
AB1-M3-RG-1	Red/Green		3A0106
AB1-M3-R0-2	Red	3m	3A0201
AB1-M3-Y0-2	Yellow		3A0202
AB1-M3-G0-2	Green		3A0203
AB1-M3-W0-2	White		3A0204
AB1-M3-B0-2	Blue		3A0205
AB1-M3-RG-2	Red/Green		3A0206
AB1-M3-R0-3	Red	5m	3A0301
AB1-M3-Y0-3	Yellow		3A0302
AB1-M3-G0-3	Green		3A0303
AB1-M3-W0-3	White		3A0304
AB1-M3-B0-3	Blue		3A0305
AB1-M3-RG-3	Red/Green		3A0306
AB1-M3-R0-4	Red	10m	3A0401
AB1-M3-Y0-4	Yellow		3A0402
AB1-M3-G0-4	Green		3A0403
AB1-M3-W0-4	White		3A0404
AB1-M3-B0-4	Blue		3A0405
AB1-M3-RG-4	Red/Green		3A0406

AB1-M3 LED SIGNAL LAMP

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

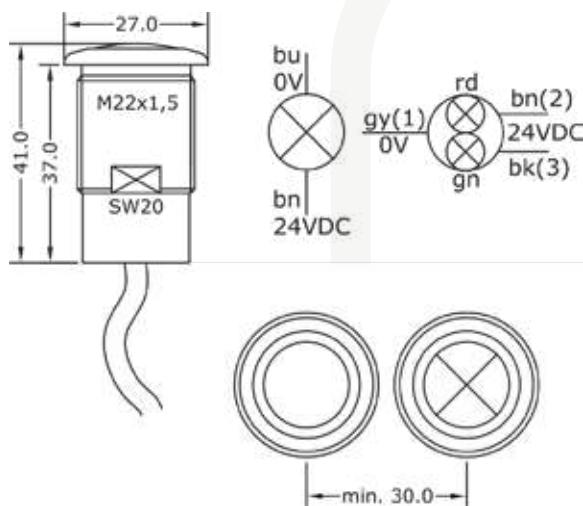
CONNECT and ACT - Due to the approval as a device, the signal lamp can be installed in the front of a machine in the Ex zone without further certification. The low installation depth enables a particularly space-saving use.

The indicator light has also been tested in order to be installed in certified control panels of types of protection Ex e and Ex t.



TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +60°C
Operating voltage:	24 V DC +/- 10 %
Current consumption:	max. 15 mA
Fuse:	63 mA
Flying lead:	3 x 0.5 mm ² Ø 5.1 mm
Electrical connection:	(1) Grey = 0 V (2) Brown = 24 V DC red (3) Black = 24 V DC gn
Material housing:	Stainless steel 1.4305
Material lens:	Polycarbonate
Sealing:	EPDM
Ingress protection:	IP65
Impact resistance:	7 Nm / 4 Nm (lens)
Mounting hole:	22.0 ... 22.3 mm / M22 x 1.5
Torque:	8 Nm
For housing thickness:	1.0 ... 15.0 mm
Weight:	100 gr (1.5 m)
Scope of delivery:	Includes a plastic lock nut



AB1-P3 POTENTIOMETER

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

STAINLESS STEEL ATEX DEVICES

ZONES 1, 2 (gas) & 21, 22 (dust)

The potentiometer type AB1-P3 is a reliable setpoint transmitter for controlling machines and systems in hazardous areas of zone 1/2 and zone 21/22. The high degree of IP protection and the corrosion-resistant stainless steel housing guarantee a long service life even under aggressive environmental conditions.

Due to its flat design and rounded edges, the potentiometer offers little surface for external damage and dirt deposits.

The engraved scale in an elegant design guarantees optimal durability even under aggressive conditions.

CONNECT and ACT – Due to the approval as a device, the potentiometer can be installed in the front of a machine without further certification. The low installation depth enables a particularly space-saving use.

This potentiometer has also been tested in order to be installed in Ex e and Ex t control panels.

A plastic lock nut is included in the scope of delivery.



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Resistor:	Cable lenght:	Item No.:
AB1-P3-1101 1	1 kΩ	1,5 m	3A1301
AB1-P3-1101 2		3 m	3A1302
AB1-P3-1101 3		5 m	3A1303
AB1-P3-1101 4		10 m	3A1304
AB1-P3-1301 1	5 kΩ	1,5 m	3A1305
AB1-P3-1301 2		3 m	3A1306
AB1-P3-1301 3		5 m	3A1307
AB1-P3-1301 4		10 m	3A1308
AB1-P3-1401 1	10 kΩ	1,5 m	3A1309
AB1-P3-1401 2		3 m	3A1310
AB1-P3-1401 3		5 m	3A1311
AB1-P3-1401 4		10 m	3A1312

ACCESSORIES	
Description:	Item No.:
Earthing set (earth lug + nut)	216742
Stopping plug M22 x 1.5 VA	216751

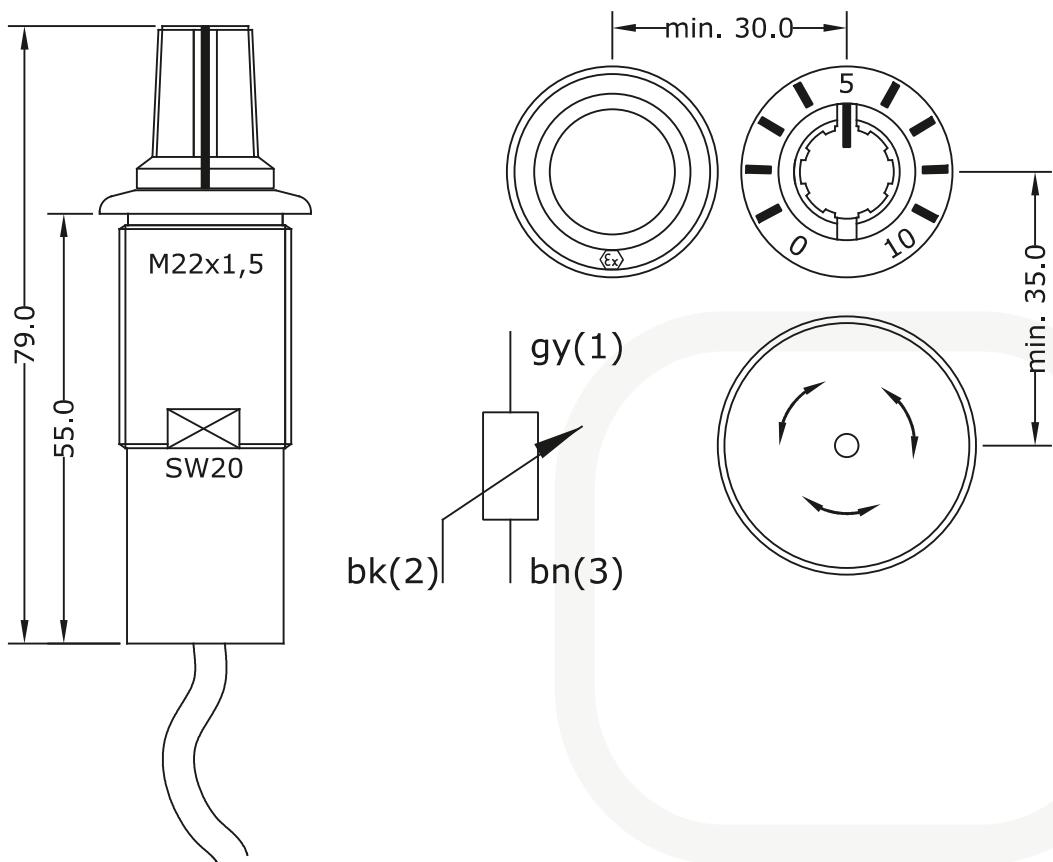
AB1-P3 POTENTIOMETER

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +60°C
Operating voltage:	24 VDC
Resistance value (linear):	1 kΩ, 5 kΩ, 10 kΩ ±10 %
Power consumption:	max. 1 W
Connecting cable:	4G0.5 mm ² Ø5.7 mm
Electrical connection:	(1) grey = input (2) black = sliding contact (3) brown = output green/yellow = internal earth
Rotation angle:	295 °
Housing:	Stainless steel 1.4305
Sealing:	EPDM
Ingress protection:	IP66
Impact resistance:	7 Nm
Mounting hole:	22.0 ... 22.3 mm / M22 x 1.5
Torque:	8 Nm
For housing thickness:	1.0 ... 15.0 mm
Weight:	180 gr (1.5 m)



AB1-S3 BUZZER

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

STAINLESS STEEL ATEX DEVICES

ZONES 1, 2 (gas) & 21, 22 (dust)

The AB1-S3-type ATEX Buzzers stands for alarming, with a penetrating, acoustic signal, to safely indicate possible dangers in potentially explosive areas. The high degree of IP protection and the corrosion-resistant stainless steel housing guarantee a long service life even under aggressive environmental conditions. This buzzer can be used in a variety of ways in potentially explosive areas.

Thanks to its approval as a device, it can be installed directly in the front of a machine without further certification.

It has also been tested in order to be installed in certified control panels of types of protection Ex e, Ex t and Ex d.

A lock nut is included in the scope of delivery.



EU-Type Examination Certificate

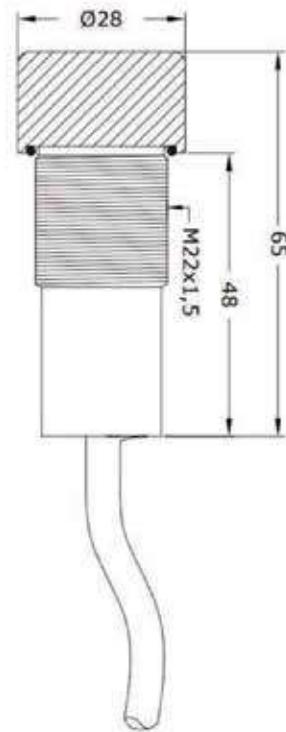


ITEM REFERENCES

Designation:	Cable lenght:	Item No.:
AB1-S3 - 1,5	1,5 m	3D0501
AB1-S3 - 3	3 m	3D0502
AB1-S3 - 5	5 m	3D0503
AB1-S3 - 10	10 m	3D0504

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-40°C to +60°C
Operating voltage:	24 VDC
Power consumption:	max. 30 mA
Prefuse:	63 mA
Frequency:	4300 Hz
Volume:	85 db approx / 40 cm
Electrical connection:	2x0.5 mm ² , Ø 4.8 mm. Brown = +24 VDC / Blue = 0 V
Housing:	Stainless steel 1.4305
Sealing:	EPDM
Ingress protection:	IP66 / Head IP30
Mounting hole:	22.0 ... 22.3 mm / M22x1,5
Torque:	8 Nm
Max. wall thickness:	1.0 ... 15.0 mm
Weight:	150 g (1,5 m cable version)



AB1-N3 M22 EMERGENCY STOP

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

STAINLESS STEEL ATEX DEVICES

ZONES 1, 2 (gas) & 21, 22 (dust)

The Emergency Stop AB1-N3 ensures reliable and safe shutdown of machines and systems in hazardous areas classified as Zones 1/2 and Zones 21/22. Designed with a robust stainless steel housing and a high IP protection rating, it guarantees a long service life even in harsh and corrosive environments.

CONNECT and ACT – Certified for use as a standalone device, the Emergency Stop can be directly installed on the front panel of a machine within an Ex zone without requiring additional approvals. Its compact design with a low installation depth allows for particularly space-saving integration.

Additionally, the Emergency Stop has been rigorously tested for installation in certified control panels with protection types Ex e and Ex t.

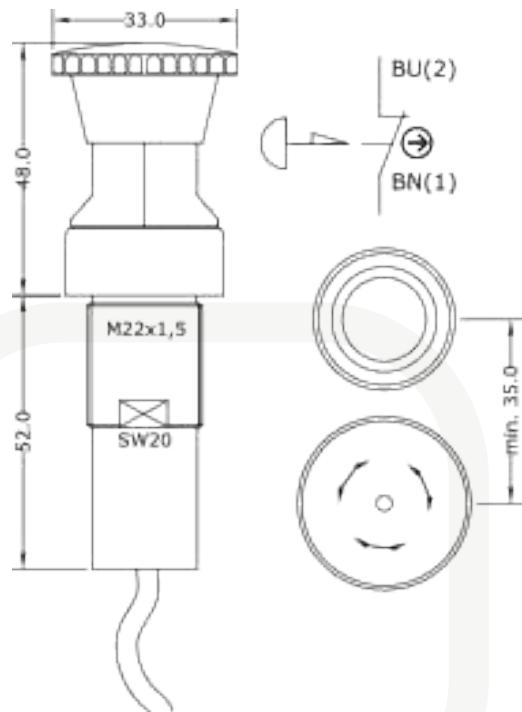
The delivery package includes a durable plastic lock nut for secure installation.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:	Cable lenght:	Item No.:
AB1-N3-2101 10	1,5 m	3A1101
AB1-N3-2101 20	3 m	3A1102
AB1-N3-2101 30	5 m	3A1103
AB1-N3-2101 40	10 m	3A1104

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +55°C
Operating voltage:	24 VDC / 230 VAC double insulated
Current consumption:	max. 1 A
Flying lead:	2 x 0.5 mm ² Ø 4.8 mm
Electrical connection:	(1) brown = com / (2) blue = NC
Electric life:	10.000 switching cycles
Housing:	Stainless steel 1.4305
Mechanical life:	1.0 E + 08 switching cycles
Sealing:	EPDM
Ingress protection:	IP66
Impact resistance:	7 Nm
Mounting hole:	22.0 ... 22.3 mm / M22 x 1.5
Torque:	8 Nm
For housing thickness:	1.0 ... 15.0 mm
Weight:	300 gr (1.5 m)



ACCESSORIES	
Description:	Item No.:
Earthing set (earth lug + nut)	216742
Stopping plug M22 x 1.5 VA	216751

AB1-E3 M30 EMERGENCY STOP

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

STAINLESS STEEL ATEX DEVICES

ZONES 1, 2 (gas) & 21, 22 (dust)

The Emergency Stop AB1-E3 ensures safe and reliable shutdown of machines and systems in hazardous areas classified as Zones 1/2 and 21/22. Equipped with up to three switching contacts, it allows for secure disconnection while providing additional feedback functionality.

Built for durability, the Emergency Stop features a corrosion-resistant stainless steel housing and a high IP protection rating, guaranteeing long service life even in aggressive or demanding environmental conditions.

CONNECT and ACT – Certified for use as a device, the Emergency Stop can be installed directly on the front of a machine within Ex zones without requiring additional approvals. Its compact design with a low installation depth facilitates space-saving integration. Additionally, the Emergency Stop has been rigorously tested and approved for installation in certified control panels designed with Ex e and Ex t protection types.

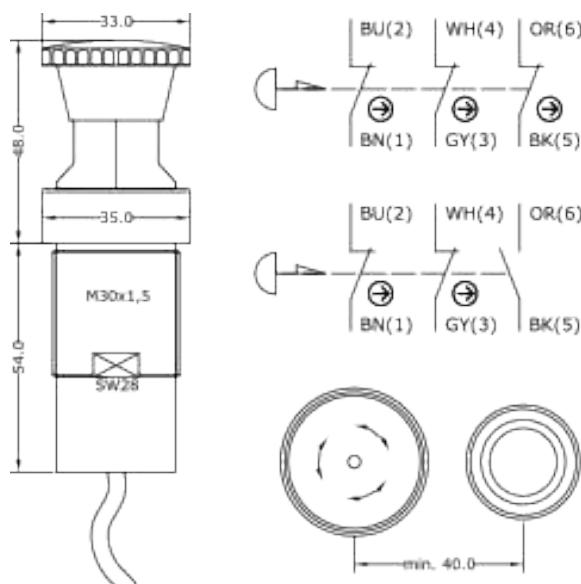
The delivery package includes a plastic lock nut.



EU-Type Examination Certificate

ITEM REFERENCES							
Designation:	Contacts:	Cable lenght:	Item No.:	Designation:	Contacts:	Cable lenght:	Item No.:
AB1-E3-2301 10	3x positive breaking contact	1,5 m	3A1201	AB1-E3-2101 10	2x positive breaking contact	1,5 m	3A1205
AB1-E3-2301 20		3 m	3A1202	AB1-E3-2101 20		3 m	3A1206
AB1-E3-2301 30		5 m	3A1203	AB1-E3-2101 30	1x normally open contact	5 m	3A1207
AB1-E3-2301 40		10 m	3A1204	AB1-E3-2101 40		10 m	3A1208

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2G Ex db eb IIC T6 Gb Ex II 2D Ex tb IIIC T85°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +55°C
Operating voltage:	24 VDC / 230 VAC double insulated
Current consumption:	max. 1 A
Flying lead:	6 x 0.5 mm ² Ø 6.9 mm
Electrical connection:	(1) brown = com 1 (2) blue = NC 1 (3) grey = com 2 (4) white = NC 2 (5) black = com 3 (6) orange = contact 3
Electric life:	10.000 switching cycles
Housing:	Stainless steel 1.4305
Mechanical life:	1.0 E + 08 switching cycles
Sealing:	EPDM
Ingress protection:	IP66
Impact resistance:	7 Nm
Mounting hole:	30.0 ... 30.3 mm / M30 x 1.5
Torque:	8 Nm
For housing thickness:	1.0 ... 15.0 mm
Weight:	350 gr (1.5 m)

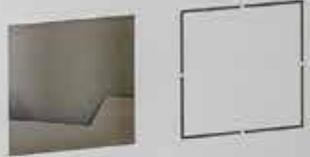


ACCESSORIES

Description:	Item No.:
Earthing set (earth lug + nut)	226550

4.7

PLUG & SOCKETS



EX PLUGS & SOCKETS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)



EU-Type Examination Certificate

Range of certified plugs and sockets for hazardous areas facilitate the compliance of:

- electrical machinery to the Machinery European Directive regarding isolation device and to EN 60204-1 standard: Safety of machinery electrical equipment of machines,
- electrical installation to French decree of 30 aout 2010 and 22 septembre 2010 relating to health and safety at work when using electrical installations,
- electrical installation to national regulation relating to the improvement of the safety and health of workers at work in Italy, Spain, Belgium,
- electrical installation to the installation standards: IEC/ EN 60079-14, IEC/HD 60364 (international), NF C 15-100 (France) and CSA Z462 (Canada).

These plugs and sockets comply with:

- ATEX European Directive (affixing "Ex" symbol and CE marking),
- RoHS Directive (affixing CE marking),
- REACH European Regulation,
- IEC/ EN 60079-0, IEC/ EN 60079-1, IEC/ EN 60079-7, IEC/ EN 60079-31, IEC/ EN 60309-1 and IEC/ EN 60309-4 standards.
- Bureau Veritas Marine specifications.



ITEM REFERENCES

Rated current:	Coding Voltage/ Frequency [0]	Poles:	Cable entries [1]:	Wall mounting socket:	Plugs:	Socket -outlet:	Utilization categories:	Permissible cable cross-sections:	Recommended cable type [2]:
20A	20/24V AC	2P	M20 (10-14mm)	6Z0101	6Z0201	6Z0301	AC-22 AC-23	1-4 mm ² flexible 1,5-6 mm ² rigid	H07RN-F 2x2,5mm ² [3]
20A	220/250V AC	1P+N+T	M20 (10-14mm)	6Z0102	6Z0202	6Z0302	AC-22 AC-23	1-4 mm ² flexible 1,5-6 mm ² rigid	H07RN-F 3G2,5mm ² [3][5]
20A	220/250V AC	1P+N+T	M25 (12-18mm)	6Z0102B	6Z0202B	6Z0302B	AC-22 AC-23	1-4 mm ² flexible 1,5-6 mm ² rigid	H07RN-F 3G4mm ² [3]
20A	380/440V AC	3P+T	M25 (12-18mm)	6Z0103	6Z0203	6Z0303	AC-22 AC-23	1-4 mm ² flexible 1,5-6 mm ² rigid	H07RN-F 4G4mm ² [3]
20A	380/440V AC	3P+T+N	M32 (16-25mm)	6Z0104	6Z0204	6Z0304	AC-22 AC-23	1-4 mm ² flexible 1,5-6 mm ² rigid	H07RN-F 5G4mm ² [3][4]
32A	220/250V AC	1P+N+T	M25 (12-18mm)	6Z0105	6Z0205	6Z0305	AC-22	2,5-10 mm ² flexible 2,5-16 mm ² rigid	H07RN-F 3G6mm ² [3][4]
32A	380/440V AC	3P+T	M32 (16-25mm)	6Z0106	6Z0206	6Z0306	AC-22	2,5-10 mm ² flexible 2,5-16 mm ² rigid	H07RN-F 4G6mm ² [3]
32A	380/440V AC	3P+T+N	M32 (16-25mm)	6Z0107	6Z0207	6Z0307	AC-22	2,5-10 mm ² flexible 2,5-16 mm ² rigid	H07RN-F 5G6mm ² [3]
63A	380/440V AC	3P+T	M40 (22-32mm)	6Z0108	6Z0208	6Z0308	AC-22	6-16 mm ² flexible 6-25 mm ² rigid	H07RN-F 4G16mm ² [3]
63A	380/440V AC	3P+T+N	M40 (22-32mm)	6Z0109	6Z0209	6Z0309	AC-22	6-16 mm ² flexible 6-25 mm ² rigid	H07RN-F 5G16mm ² [3]
63A	480/500V AC	3P+T	M40 (22-32mm)	6Z0110	6Z0210	6Z0310	AC-22	6-16 mm ² flexible 6-25 mm ² rigid	H07RN-F 4G16mm ² [3]
63A	480/500V AC	3P+T+N	M40 (22-32mm)	6Z0111	6Z0211	6Z0311	AC-22	6-16 mm ² flexible 6-25 mm ² rigid	H07RN-F 5G16mm ² [3]

[0] Other voltage/frequency encodings are available on request.

[1] Polyamide cable gland suitable for non-armoured cable.

[2] The cable selection is a proposal that must be reviewed in each particular case. It is made considering an ambient temperature of 30°C with a conductor operating temperature of 60°C, for cables that are exposed to the elements or supported on a surface. If the cable is to be wound on a drum or covered, the proposed cable types are not valid.

[3] It is essential to check that the outer diameter of the selected cable matches the tightening ranges of the cable glands, without forgetting the load capacity of the cables.

[4] Cable at the tightening limit of the cable gland. It is advisable to expressly check the cable to verify that it is within the tightening margins. The cable gland can be changed prior to manufacture.

[5] For safety tolerances, it is preferable to use a larger cable section, such as 3G4mm², and switch to the 6Z0102B, 6Z0202B and 6Z0302B socket and plug references.

4



CONTROL & CONNECTION EQUIPMENT

EX PLUGS & SOCKETS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

TECHNICAL SPECIFICATIONS			
	20A	32A	63A
Marking:	 * -40°C ≤ Ta ≤ +60°C T5 T90°C -40°C ≤ Ta ≤ +40°C T6 T70°C	 * -40°C ≤ Ta ≤ +60°C T5 T77°C -40°C ≤ Ta ≤ +40°C T6 T57°C	 * -40°C ≤ Ta ≤ +60°C T4 T107°C -40°C ≤ Ta ≤ +40°C T5 T87°C
Certificate:	EU-Type Examination Certificate		
Housing:	Glass Reinforced Polyester (GRP)		
Ingress protection:	IP66/67		
Shock resistance:	IK09		

DIMENSIONS 20A									
Coupler			Plug on wall mounted socket-outlet						
A	B	C	A	B	C	D	E1	E2	
266 mm	89 mm	58 mm	208 mm	264 mm	138 mm	126 mm	117 mm	105,5	

DIMENSIONS 32A									
Coupler			Plug on wall mounted socket-outlet						
A	B	C	A	B	C	D	E1	E2	
304 mm	71 mm	118 mm	208 mm	264 mm	138 mm	126 mm	117 mm	105,5	

EX PLUGS & SOCKETS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

DIMENSIONS 63A									
Coupler			Plug on wall mounted socket-outlet						
A	B	C	A	B	C	D	E1	E2	
350 mm	84 mm	122 mm	244 mm	341 mm	175 mm	166 mm	157 mm	145,5	

4



CONTROL & CONNECTION EQUIPMENT

ALUMINIUM PLUGS & SOCKETS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)



ATEX certified plugs and socket-outlets, designed for hazardous areas.

The socket is complete with interlocked switch which can only be activated when the plug is inserted and viceversa.



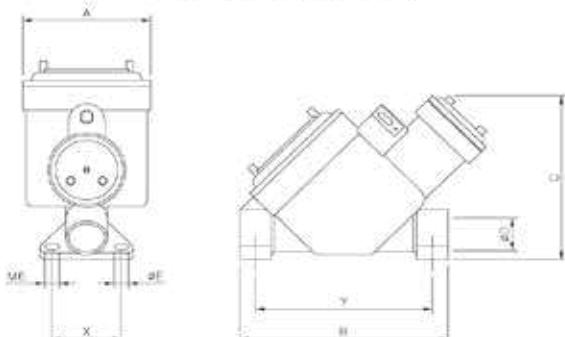
EU-Type Examination Certificate

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium
Operating conditions:	Indoor / Outdoor
Ingress protection:	IP66
Operating temperature:	-20°C to +40°C

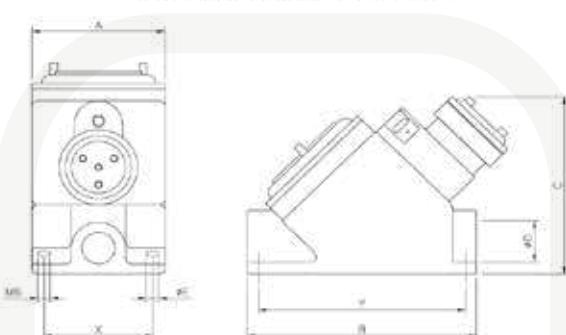
ITEM REFERENCES - SOCKETS

Designation:	Current:	Voltage:	Poles:	2 Cable Entries:	Dimensions (mm)							Item No.:
					A	B	C	ØD	ØE	X	Y	
FSQ 215	25 A	500 V	2P+T	1" NPT	110	180	145	1"	7	60	160	6G0101
FSQ 325	32 A	500 V	3P+T	1" NPT	110	180	145	1"	7	60	160	6G0201
FSQ 425	32 A	500 V	4P+T	1" NPT	110	180	145	1"	7	60	160	6G0301
FSQ 360	63 A	500 V	3P+T	1.1/2" NPT	155	246	190	1.1/2"	11	160	222	6G0401
FSQ 460	63 A	500 V	4P+T	1.1/2" NPT	155	246	190	1.1/2"	11	160	222	6G0501

FSQ 215 - 325 - 425

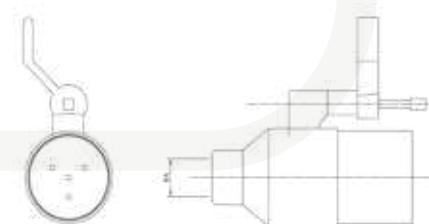


FSQ 360 - 460 / FSQA ...



ITEM REFERENCES - PLUGS

Designation:	Current:	Voltage:	Poles:	1 Cable Entry ØA:	Item No.:
BP 215	25 A	500 V	2P+T	3/4" NPT	6G0102
BP 325	32 A	500 V	3P+T	3/4" NPT	6G0202
BP 425	32 A	500 V	4P+T	3/4" NPT	6G0302
BP 360	63 A	500 V	3P+T	1" NPT	6G0402
BP 460	63 A	500 V	4P+T	1" NPT	6G0502



DX9 DECONTACTOR

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)

4

Ex



Certified explosion-proof plugs and sockets, with integrated load-break switch.

Locking in connected or disconnected position by keying axis.



EU-Type Examination Certificate

ITEM REFERENCES				
Designation:	Voltage:	Poles:	Cable entries:	Item No.:
Wall mounting socket DX9	380-440 V	3P+T	M40 (16-27 mm)	6E0201
Plug DX9	380-440 V	3P+T	M40 (16-27 mm)	6E0202
Wall mounting socket DX9	380-440 V	3P+N+T	M40 (16-27 mm)	6E0301
Plug DX9	380-440 V	3P+N+T	M40 (16-27 mm)	6E0302

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2GD Ex de IIC tD A21 -40 °C ≤ Ta ≤ +60 °C T5 T90 °C -40 °C ≤ Ta ≤ +50 °C T6 T80 °C
Certificate:	EU-Type Examination Certificate
Housing:	Metal (Aluminium)
Rated current:	125 A
Maximum voltage:	750 V
Operating conditions:	Indoor / Outdoor
IP protection lid closed:	IP65
IP protection plug connected:	IP65/IP66
Shock resistance:	IK10
Operating temperature:	-40°C to +60°C
Flexible wiring (min - max):	35 - 50 mm ²
Stranded wiring (min - max):	50 - 70 mm ²
Other wiring:	On request
Keying positions:	12

EX COMPACT CONNECTOR

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)



EU-Type Examination Certificate

Compact and rugged connector designed for all types of aggressive environments (humidity, corrosion, pollution) found in many industrial hazardous areas.

The 5 contacts connection can meet all needs and applications such as lighting.

This connector is both quickly assembled and put into service. Its locking ring resists vibration thus preventing accidental disconnection of the plug on load.

The technically advanced silver-nickel butt contact system assures next level performance no matter the conditions. The connector guarantees a long-lasting and electrically efficient connection for your industry.

ITEM REFERENCES			
Designation:	Voltage:	Poles:	Item No.:
Socket-outlet (Female)	250V	3P+N+T	6D0201
Inlet (Male)	250V	3P+N+T	6D0202

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2GD Ex e IIC T6 Gb Ex tb IIIC T72°C Db
Certificate:	EU-Type Examination Certificate
Operating conditions:	Indoor / Outdoor
Housing:	Glassfibre reinforced thermoplastic UL94 V-0
Butt contacts:	Copper alloy with silver-nickel tips
Contact protection:	Tinning
Load cycles:	More than 2000 cycles
Shock resistance:	IK08
Vibration:	Frequency 5-1000Hz, 1g (90 minutes on each critical frequency) According to IEC 6068 2-6
Impulse withstand voltage:	5 kV / Pollution degree 3
Contact resistance:	<2mΩ
Permitted current range:	4-20 mA / 5 A
Ductrs accepted:	From 0,75 mm ² to 2,5 mm ² Mechanical terminals
Cable diameter:	From 7 to 14 mm
Operating temperature:	-20°C to +70°C
IP protection Socket with cap:	IP66/IP67 IP69K 100 bar (1450 PSI) 80°C
IP protection connected plug:	IP66/IP67 IP69K 100 bar (1450 PSI) 80°C
Resistance to fluids:	Motor oils, petrol, fats, detergents

1P+N+E EXTENSION LEAD

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)

Extension leads for mobile services, suitable for operation in explosive atmospheres in the presence of gases, vapours and combustible dust.

Consisting of a rubber insulated hose for use in hazardous areas and ATEX certified plug and socket (male, female). Both sockets are only compatible with plugs and sockets from the same manufacturer.

The configuration provides an IP66/IP67 rating, which gives the system a high protection against dust and liquid ingress.



EU-Type Examination Certificate

4



CONTROL & CONNECTION EQUIPMENT

ITEM REFERENCES

Designation:	Voltage:	Poles:	Item No.:
1P+N+E 10m Extension lead	220/250V	1P+N+E	6C0402A
1P+N+E 15m Extension lead	220/250V	1P+N+E	6C0402B
1P+N+E 20m Extension lead	220/250V	1P+N+E	6C0402C
1P+N+E 25m Extension lead	220/250V	1P+N+E	6C0402D
COMPATIBLE PLUGS AND SOCKETS			
Wall socket: (female) 1P+N+E	220/250V	1P+N+E	6C0102
Socket-outlet (female) 11P+N+E	220/250V	1P+N+E	6C0302
Plug (male) 1P+N+E	220/250V	1P+N+E	6C0202

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex de IIC T [*] Gb II 2D Ex tb IIIC T [*] Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-40°C ≤ Ta ≤ +60°C - T5 T90°C -40°C ≤ Ta ≤ +40°C - T6 T70°C
Operating conditions:	Indoor / Outdoor
Housing:	GRP
Ingress protection:	IP66/67
Shock resistance:	IK08
Cable:	H07RN-F 450/750V - 3G2,5
Cable entries:	M20x1,5 (7 - 14 mm)

2 SOCKET DISTRIBUTION UNIT: 2 - 1PH+N+PE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

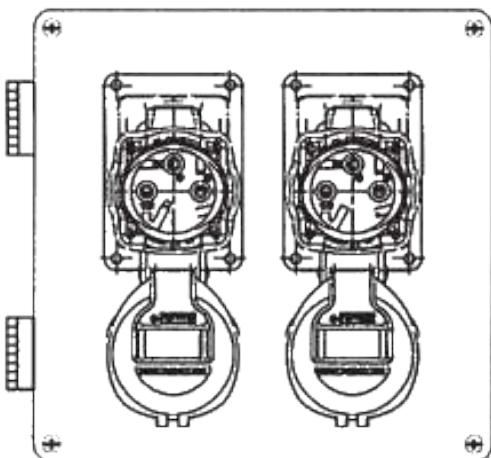
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CONTROL & CONNECTION EQUIPMENT

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)



ATEX-certified 2-socket outlet power distribution unit for fixed installation in hazardous areas.

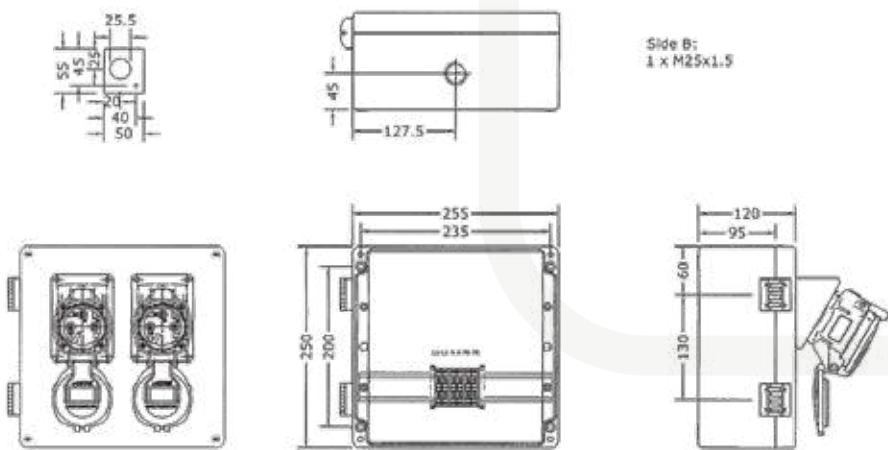
Equipped with 2 ATEX socket outlets 20A 220/250V 1PH+N+PE and their respective plugs. Hinged lid.



EU-Type Examination Certificate

ITEM REFERENCES					
Designation:	Rated current:	Rated voltage:	Poles:	Cable gland:	Item No.:
2-outlet rack 1P+N+T - P	20A	220/250V	1P+N+T	Plastic	6F0115A
2-outlet rack 1P+N+T - L	20A	220/250V	1P+N+T	Brass	6F0115B
2-outlet rack 1P+N+T - LN	20A	220/250V	1P+N+T	Niquel-plated brass	6F0115C

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2G Ex db eb IIC T6 Gb Ex II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Material:	Glass fibre reinforced polyester, black
Dimensions:	255x250x120 mm
Operating conditions:	Indoor / Outdoor
Terminals:	4x 6 mm ² + 2x 6 mm ² PE. Numbering: L1-L1, N-N, PE, PE L1 terminals (jumpered) / N terminals (jumpered)
Outlets:	2 socket outlets 1P+N+T 20A (plugs included)
Ingress protection:	IP65
Cable entries:	1x M25x1,5



3 SOCKET DISTRIBUTION UNIT: 3 - 1PH+N+PE

Zones 1, 2, 21, 22

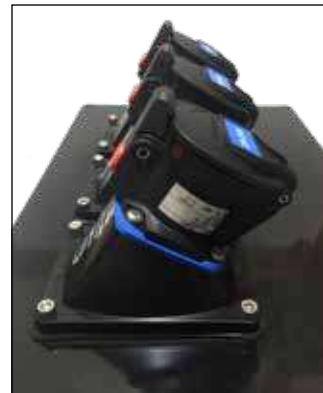
Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX-certified 3-outlet rack for fixed installation in hazardous areas.

Equipped with 3 ATEX socket outlets 20A 220/250V 1PH+N+PE and their respective plugs. Hinged lid.

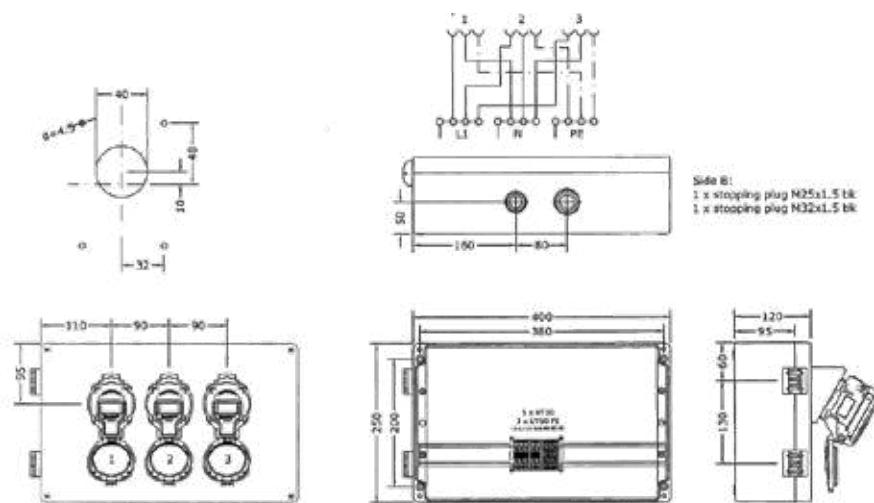


ITEM REFERENCES

Designation:	Rated current:	Rated voltage:	Poles:	Item No.:
3-outlet rack 1PH+N+PE	20A	220/250V	1PH+N+PE	6F0110

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Material:	Glass fibre reinforced polyester, black
Dimensions:	400x250x120 mm
Operating conditions:	Indoor / Outdoor
Terminals:	5x 10 mm ² + 3x10 mm ² PE
Outlets:	3 socket outlets 20A 1PH+N+PE (plugs included)
Ingress protection:	IP65
Cable entries:	1 M25x1,5 1 M32x1,5 plugged



3 SOCKET DISTRIBUTION UNIT: 2 - 1PH+N+PE / 1 - 3PH+PE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX-certified 3-outlet rack for fixed installation in hazardous areas. Hinged lid.

Equipped with 2 ATEX 20A 220/250V 1PH+N+PE socket outlets and 1 ATEX 32A 380/440V 3PH+N+PE socket with their respective plugs.



EU-Type Examination Certificate

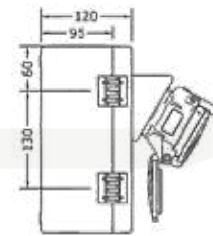
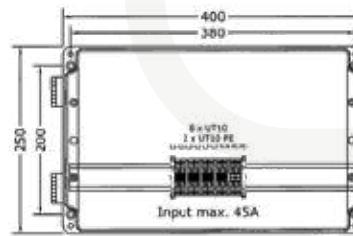
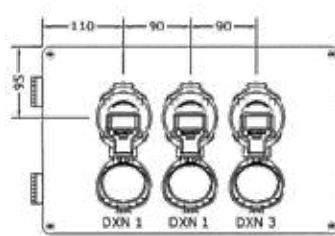
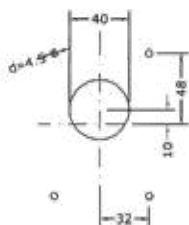
The cable glands are supplied separately

ITEM REFERENCES

Designation:	Rated current:	Rated voltage:	Poles:	Item No.:
3-outlet rack (2 - 1PH+N+PE 20A / 1 - 3PH+PE 32A)	20A 32A	220/250V 380/440V	1P+N+T 3P+T	6F0113

TECHNICAL SPECIFICATIONS

Marking:	Ex II 2G Ex ed IIC T6 Gb Ex II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Material:	Glass fibre reinforced polyester, black
Dimensions:	400x250x120 mm
Operating conditions:	Indoor / Outdoor
Terminals:	8x 10 mm ² + 2x 10 mm ² PE
Outlets:	2 socket outlets 1P+N+T 20A 1 socket outlets 3P+T 32A (plugs included)
Ingress protection:	IP65
Operating temperature:	-20°C to +40°C
Cable entries:	1 M25x1,5 1 M32x1,5



4 SOCKET DISTRIBUTION UNIT: 2 - 1PH+N+PE / 1 - 3PH+PE / 1 - 3PH+N+PE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX-certified 4-outlet rack for fixed installation in hazardous areas. Hinged lid.

Equipped with 2 ATEX 20A 220/250V 1PH+N+PE sockets, 1 ATEX 32A 380/440V 3PH+PE socket and 1 ATEX 32A 380/440V 3PH+N+PE socket with their respective plugs.



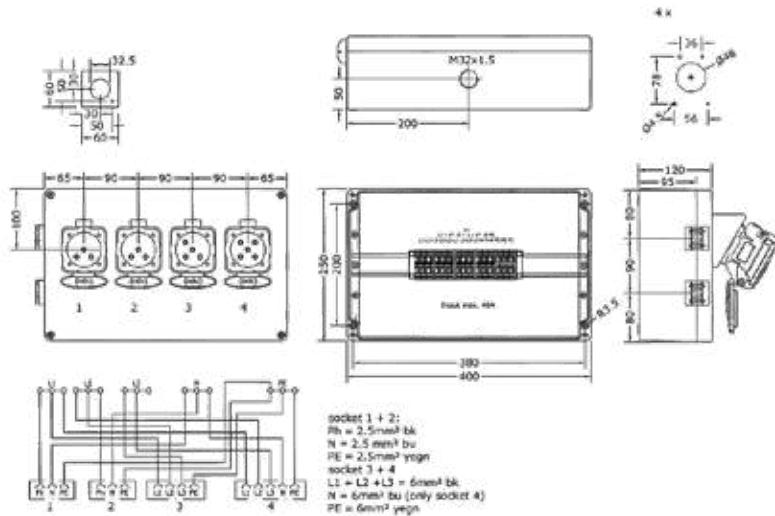
The cable gland is supplied separately

ITEM REFERENCES

Designation:	Rated current:	Rated voltage:	Poles:	Item No.:
4-outlet rack (2 - 1PH+N+PE 20A / 1 - 3PH+PE 32A / 1 - 3PH+N+PE 32A)	20A 32A	220/250V 380/440V	1P+N+T 3P+T 3P+N+T	6F0114

TECHNICAL SPECIFICATIONS

Marking:	Ex II 2G Ex ed IIC T6 Gb Ex II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Material:	Glass fibre reinforced polyester, black
Dimensions:	400x250x120 mm
Operating conditions:	Indoor / Outdoor
Terminals:	12x 10 mm ² + 3x 10 mm ² PE
Outlets:	2 socket outlets 1P+N+T 20A 1 socket outlets 3P+T 32A 1 socket outlets 3P+N+T 32A (plugs included)
Ingress protection:	IP65
Operating temperature:	-20°C to +40°C
Cable entries:	1 M32x1,5



4 SOCKET OUTLETS DISTRIBUTION UNIT: 2 - 1PH+N+PE / 2 - 3PH+N+PE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX-certified 4-outlet rack for fixed installation in hazardous areas. Hinged lid.

Equipped with 2 ATEX sockets 20A 220/250V 1PH+N+PE, 2 ATEX sockets 32A 380/440V 3PH+N+PE and their respective plugs.



EU-Type Examination Certificate

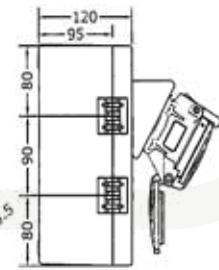
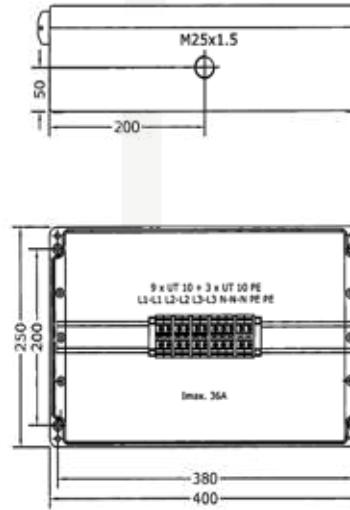
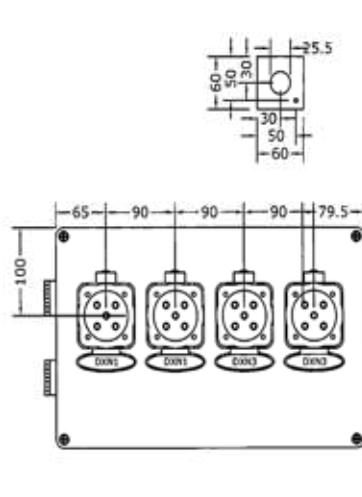
The cable gland is supplied separately

ITEM REFERENCES

Designation:	Rated current:	Rated voltage:	Poles:	Item No.:
4-outlet rack (2 - 1PH+N+PE 20A / 2 - 3PH+N+PE 32A)	20A 32A	220/250V 380/440V	1PH+N+PE 3PH+N+PE	6F0111

TECHNICAL SPECIFICATIONS

Marking:	Ex II 2G Ex ed IIC T6 Gb Ex II 2D Ex tb IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Material:	Glass fibre reinforced polyester, black
Dimensions:	400x250x120 mm
Operating conditions:	Indoor / Outdoor
Terminals:	9x 10 mm ² + 3x 10 mm ² PE
Outlets:	2 sockets 20A 1PH+N+PE (plugs included) 2 sockets 32A 3PH+N+PE (plugs included)
Ingress protection:	IP65
Operating temperature:	-20°C to +40°C
Cable entries:	1 M25x1,5



6 SOCKET OUTLETS DISTRIBUTION UNIT: 6 - 1PH+N+PE

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 1, 2 (gas) & 21, 22 (dust)



ATEX-certified 6-outlet power distribution unit for fixed installation in hazardous areas.

Equipped with 6 ATEX socket outlets 20A 220/250V 1PH+N+PE and their respective plugs. Hinged lid.



EU-Type Examination Certificate

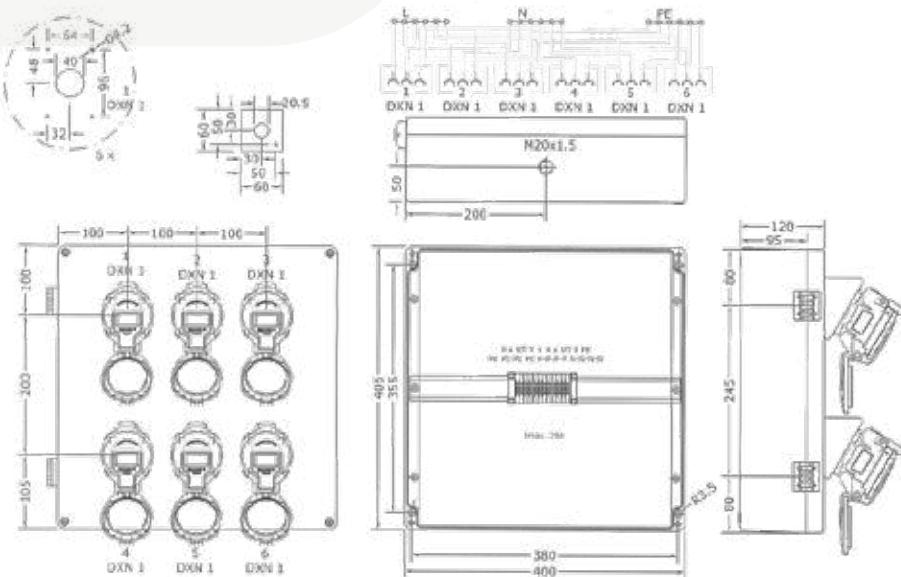
The cable gland is supplied separately

ITEM REFERENCES

Designation:	Rated current:	Rated voltage:	Poles:	Item No.:
6-outlet rack 1PH+N+PE	20A	220/250V	1PH+N+PE	6F0112

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Material:	Glass fibre reinforced polyester, black
Dimensions:	400x405x120 mm
Operating conditions:	Indoor / Outdoor
Terminals:	8x 4 mm ² + 4x 4 mm ² PE
Outlets:	6 socket outlets 20A 1PH+N+PE (plugs included)
Ingress protection:	IP65
Cable entries:	1 M20x1,5



EX I CONNECTION ELEMENTS

Zones 0, 1, 2

Full catalogue available on our website: www.inpratex.com

ATEX PLUGS & SOCKETS

ZONES 0, 1, 2 (gas)

The connection elements on electrical devices are designed to facilitate quick and efficient maintenance or calibration. These Ex i connection elements are specifically engineered for use with intrinsically safe circuits.

Certified according to the latest standards, these components are classified as simple electrical devices suitable for operation in zones 0, 1 and 2.

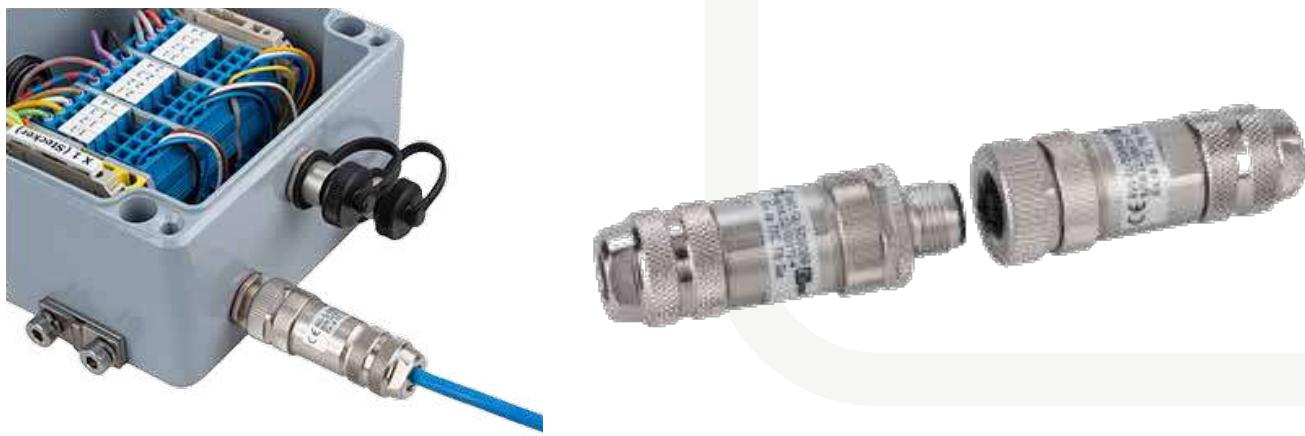
In addition to being used within enclosures, these connection elements can also function as coupling units to extend cables.

The Ex i connection elements are available in three distinct encoding options. Thanks to their high IP protection rating and broad ambient temperature range, these components are built to perform reliably in harsh environmental conditions.

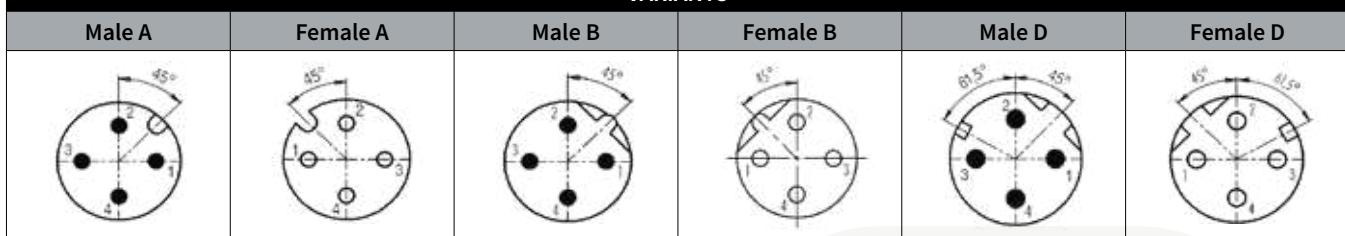


2014/34/UE

NOTE: this connection elements are for the use with intrinsically safe circuits



VARIANTS



ITEM REFERENCES

COUPLER				PLUG			
Designation:	Type:	Connection:	Item No.:	Designation:	Type:	Connection:	Item No.:
4 Poles coupler	A	M12x1 - Ø6-8	4F0101	4 Poles plug	A	M12x1 - Ø4-6	4F0107
4 Poles coupler	A	M12x1 - Ø4-6	4F0102	4 Poles plug	A	M12x1 - Ø6-8	4F0108
4 Poles coupler	B	M12x1 - Ø4-6	4F0103	4 Poles plug	B	M12x1 - Ø6-8	4F0109
4 Poles coupler	B	M12x1 - Ø6-8	4F0104	4 Poles plug	B	M12x1 - Ø4-6	4F0110
4 Poles coupler	D	M12x1 - Ø6-8	4F0105	4 Poles plug	D	M12x1 - Ø4-6	4F0111
4 Poles coupler	D	M12x1 - Ø4-6	4F0106	4 Poles plug	D	M12x1 - Ø6-8	4F0112
		Coupler protection cap	4F0121		Plug protection cap	4F0122	

EX CONNECTION ELEMENTS

Zones 0, 1, 2

Full catalogue available on our website: www.inpratex.com

ITEM REFERENCES			
FLANGE SOCKET		FLANGE PLUG	
			
Designation:	Type:	Occupancy:	Item No.:
4 Poles flange socket	A	1=bn / 2=wh / 3=bu / 4=bk	4F0113
4 Poles flange socket	B	1=bn / 2=wh / 3=bu / 4=bk	4F0114
4 Poles flange socket	D	1=ye / 2=wh / 3=or / 4=bu	4F0115
		Flange socket protection cap	4F0120
		Flange plug protection cap	4F0119

TECHNICAL SPECIFICATIONS	
Marking:	 II 1G Ex ia IIC T6 Ga
Certificate:	According to 2014/34/EU
Operating temperature:	-40°C to +40°C
Operating voltage:	max. 60V
Current consumption:	max. 2A
Connection:	Coupler+Plug: max. 4 x 0.75 mm ² Flange socket + plug: 4 x 0.25 mm ²
Material:	Die-cast zinc (nickel plated)
Ingress protection:	IP66/67
Coupler + plug:	M12 x 1
Flange socket + plug:	M16 x 1.5



4.8

LIMIT SWITCHES



LIMIT SWITCHES XCWD SERIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX LIMIT SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)

4

Ex

The XCWD limit switches is a safe bet for controlling movement. It benefit from the latest developments: modularity, compactness and a very broad range of actuators.

They are designed for intensive use and a very good repeatability.



They are provided in complete assemblies or variable composition with:

- 2 or 4 electrically separate snap action contacts.
- Can substitute the previous range XCWA and XCWF



EU-Type Examination Certificate

Heads that can be adjusted from 15° to 15° on 360° relative to the body

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Housing:	Zamac
Operating temperature:	-20°C to +60°C
Ingress protection:	IP66/67
Repeat accuracy:	0,05 mm on the tripping points 1 million operation cycles for actuator with end plunger
Shock resistance:	25 gn (18ms) according to IEC 60068-2-27
Vibration resistance:	5 gn according to IEC 60068-2-27
Rated thermal current:	6 A for 2 contacts according to versions, 3 A for 4 contacts
Rated insulation voltage:	400 V according to IEC 60947-5-1
Contact blocks:	Snap action - 1 x NC + 1 x NO or 2 x NC + 2 x NO
Resistance across terminals:	≤ 25 mΩ according to IEC 60255-7 category 3

Electrical features of the contacts

Switches with 2 contacts	Switches with 4 contacts
AC-15 ; C300 (Ue = 240 V, Ie = 1.5 A) DC-13 ; R300 (Ue = 250 V, Ie = 0.1 A)	AC-15 ; C300 (Ue = 240 V, Ie = 0.75 A) DC-13 ; R300 (Ue = 250 V, Ie = 0.1 A)

LIMIT SWITCHES XCWD SERIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

HEAD WITH STRAIGHT MOVEMENT. FIXING BY THE BODY							
Actuator type	Metal end plunger				Steel roller plunger		
1 m cable length		2 CONTACTS	4 CONTACTS		2 CONTACTS	4 CONTACTS	
2 m cable length		XCWD2110L1	XCWD4110L1		XCWD2102L1	XCWD4102L1	
5 m cable length		XCWD2110L2	XCWD4110L2		XCWD2102L2	XCWD4102L2	
10 m cable length		XCWD2110L5	XCWD4110L5		XCWD2102L5	XCWD4102L5	
		XCWD2110L10	XCWD4110L10		XCWD2102L10	XCWD4102L10	
HEAD WITH STRAIGHT MOVEMENT. FIXING BY THE HEAD							
Actuator type	Metal end plunger - M12				Steel roller plunger - M12		
1 m cable length		2 CONTACTS	4 CONTACTS		2 CONTACTS	4 CONTACTS	
2 m cable length		XCWD21F0L1	XCWD410L1		XCWD21F2L1	XCWD41F2L1	
5 m cable length		XCWD21F0L2	XCWD410L2		XCWD21F2L2	XCWD41F2L2	
10 m cable length		XCWD21F0L5	XCWD410L5		XCWD21F2L5	XCWD41F2L5	
		XCWD21F0L10	XCWD410L10		XCWD21F2L10	XCWD41F2L10	
HEAD WITH ANGULAR MOVEMENT. FIXING BY THE BODY							
Actuator type	Thermoplastic roller lever				Steel roller lever		
1 m cable length		2 CONTACTS	4 CONTACTS		2 CONTACTS	4 CONTACTS	
2 m cable length		XCWD2115L1	XCWD4115L1		XCWD2116L1	XCWD4116L1	
5 m cable length		XCWD2115L2	XCWD4115L2		XCWD2116L2	XCWD4116L2	
10 m cable length		XCWD2115L5	XCWD4115L5		XCWD2116L5	XCWD4116L5	
		XCWD2115L10	XCWD4115L10		XCWD2116L10	XCWD4116L10	
HEAD WITH ANGULAR MOVEMENT. FIXING BY THE BODY							
Actuator type	Lever variable length with thermoplastic roller				Lever variable length with steel roller		
1 m cable length		2 CONTACTS	4 CONTACTS		2 CONTACTS	4 CONTACTS	
2 m cable length		XCWD2145L1	XCWD4145L1		XCWD2146L1	XCWD4146L1	
5 m cable length		XCWD2145L2	XCWD4145L2		XCWD2146L2	XCWD4146L2	
10 m cable length		XCWD2145L5	XCWD4145L5		XCWD2146L5	XCWD4146L5	
		XCWD2145L10	XCWD4145L10		XCWD2146L10	XCWD4146L10	

Switch actuation	On end		By 30° cam	
Maximum actuation speed:	0,5 m/s		0,5 m/s	
Mechanical durability:		10 million operating cycles		
Minimum force or torque for tripping:	8,5 N		7 N	
Minimum force or torque for positive opening:	42,5 N		35 N	
Cabling:	PvR Cable 5 x 0,75 mm ² for 2-pole contact versions PvR Cable 9 x 0,34 mm ² for 4-pole contact versions			

LIMIT SWITCHES XCWD SERIES

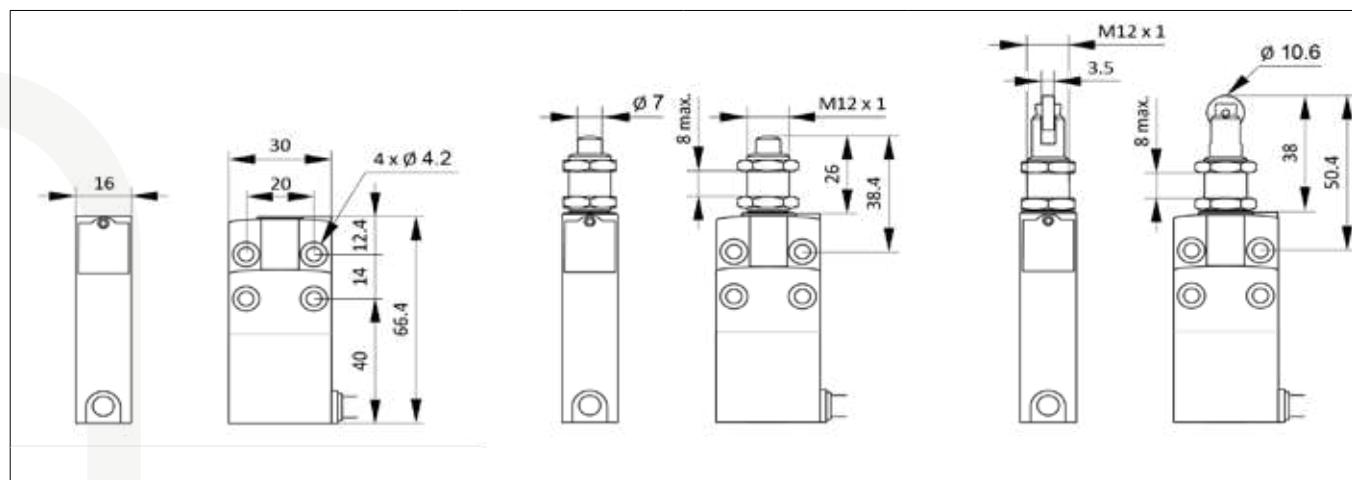
Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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CONTROL & CONNECTION EQUIPMENT



Switch actuation	On end	By 30° cam
Maximum actuation speed:	0,5 m/s	0,1 m/s
Mechanical durability:	10 million operating cycles	
Minimum force or torque for tripping:	8,5 N	7 N
Minimum force or torque for positive opening:	42,5 N	35 N
Cabling:	PvR Cable 5 x 0,75 mm ² for 2-pole contact versions PvR Cable 9 x 0,34 mm ² for 4-pole contact versions	

Switch actuation	By 30° cam	By 30° cam
Maximum actuation speed:	0,1 m/s	1,5 m/s
Mechanical durability:	10 million operating cycles	
Minimum force or torque for tripping:	7 N	0,1 N.m
Minimum force or torque for positive opening:	35 N	0,5 N.m
Cabling:	PvR Cable 5 x 0,75 mm ² for 2-pole contact versions PvR Cable 9 x 0,34 mm ² for 4-pole contact versions	

CONTACT BLOCKS

Switches with 2-pole contacts NC + NO snap action	Switches with 4-pole contacts NC + NC + NO + NO snap action

LIMIT SWITCHES XCK - XCR SERIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX LIMIT SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



The XCK and XCR ranges of ATEX certified limit switches are well known around the world for their reliability, design and flexibility of application.

The XCKW series are supplied with fitted cable gland for easy installation. XCKWMR are fitted for lifting equipment, conveyors, handling devices...

XCRA / B / TW are fitted for lifting equipment, conveyors...



EU-Type Examination Certificate

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex d e IIC T6 Gb II 2D Ex tb IIIC T85°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Zamac
Operating temperature:	XCKW: -20°C to +60°C XCR.W: -30°C to +60°C
Ingress protection:	IP65 according to EN/IEC 60529
Contact blocks:	500 V, 3 A

FOR LIFTING EQUIPMENT, CONVEYORS - FIXING DISTANCE 85 x 75 mm

					Conveyor belt shift monitoring			
Actuator type	Square rod 6 mm spring return position	Thermoplastic roller lever Ø 30 mm	Thermoplastic roller lever Ø 50 mm	Metallic square rod in cross, stay put	Lever galvanized	Lever in stainless steel		
Two 2-pole NC + NO contacts, both operate in each direction	XCRAW111	XCRAW121	XCRAW151	XCREW181 (2)				
Two 2-pole NC + NO contacts, one operates in each direction	XCRBW111	XCRBW121	XCRBW151	XCRFW171 (3)				
2 single contacts NO + NC					XCRTW115	XCRTW215		
Actuation speed	1,5 m/s							
Durability	10 million operations				0.3 million operations			
Contact type	Snap action							
Cable entry	1 x M20 (8 - 13 mm)							
(2) Metallic rods in cross								
(3) Metallic rods in "T"								

LIMIT SWITCHES XCK - XCR SERIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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CONTROL & CONNECTION EQUIPMENT

OVERAL USE - FIXING DISTANCE 41 mm

Actuator type	Metal end plunger	Steel roller plunger	Thermoplastic roller lever	Thermoplastic roller lever	”Cat’s whisker”		
NO + NC	XCKWM2110H29	XCKWM2102H29	XCKWM2121H29	XCKWM2115H29	XCKWM2106H29		
Actuation speed	0,5 m/s		1,5 m/s		0,5 m/s		
Durability	20 million operations			10 million operations			
Contact type	Snap action						
Cable entry	2 x blind plug 1 x M20 (8 - 13 mm)						

COMPACT RANGE - FIXING DISTANCE 20 mm

Actuator type	Metal end plunger	Booted metal end plunger	Steel roller plunger	Plastic roller, horizontal actuation	Plastic roller, vertical actuation	Plastic roller, vertical or horizontal actuation
NC + NC	XCKWD2110P16	XCKWD2111P16	XCKWD2102P16	XCKWD2121P16	XCKWD2127P16	XCKWD2128P16
NO + NC	XCKWD2910P16	XCKWD2911P16	XCKWD2902P16	XCKWD2921P16	XCKWD2927P16	XCKWD2928P16
Actuation speed	0,5 m/s			1 m/s		
Durability	15 million operations		10 million operations	15 million operations		
Contact type	Snap action					
Cable entry	1 x M16 (5 - 8 mm)					

COMPACT RANGE - FIXING DISTANCE 20 mm

Actuator type	Thermoplastic roller lever	Thermoplastic roller lever Ø 50 mm	Variable length plastic roller lever	Variable length plastic roller lever Ø 50 mm	”Cat’s whisker”	M18 head Metal end plunger	M18 steel roller end plunger
NC + NC	XCKWD2118P16	XCKWD2139P16	XCKWD2145P16	XCKWD2149P16	XCKWD2106P16	XCKWD21H0P16	XCKWD21H2P16
NO + NC	XCKWD2918P16	XCKWD2939P16	XCKWD2945P16	XCKWD2949P16	XCKWD2906P16	XCKWD29H0P16	XCKWD29H2P16
Actuation speed	1,5 m/s			1 m/s	0,5 m/s		
Durability	10 million operations			5 million operations	10 million operations		
Contact type	Snap action						
Cable entry	1 x M16 (5 - 8 mm)						

LIMIT SWITCHES XCK - XCR SERIES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

COMPACT RANGE - FIXING DISTANCE 30 x 60 mm						
Actuator type	Metal end plunger	Steel roller plunger	Steel roller lever	Thermoplastic roller lever	Variable length thermoplastic roller lever	Round lever Ø 6 mm polyamide L = 200 mm
NO + NC	XCKWJ2161H29	XCKWJ2167H29	XCKWJ210513H29	XCKWJ210511H29	XCKWJ210541H29	XCKWJ210559H29
Actuation speed	0,5 m/s	1 m/s			1,5 m/s	
Durability	30 million operations	25 million operations		30 million operations		20 million operations
Contact type				Snap action		
Cable entry				1 x M20 (8 - 13 mm)		

XCKWJ - CLASSIC RANGE			
XCKWJ2161H29	XCKWJ2167H29	XCKWJ210513H29 - XCKWJ210511H29	XCKWJ210541H29
XCKWJ210559H29			
	<p>1) 1 entry ISO M20 x 1.5 for cable gland 2) Lever Ø 6 mm, length 120 mm Ø 2 slotted holes 5.3 x 7.3 mm</p>		

XCKWM - CLASSIC RANGE			
XCKWM2110H29	XCKWM2102H29	XCKWM2121H29	XCKWM2115H29
XCKWM2106H29			
	<p>1) 3 entries ISO M20 x 1.5 for cable gland 2) 2 holes x Ø 4 Ø 2 slotted holes 5.2 x 6.2 mm</p>		

LIMIT SWITCHES XCK - XCR SERIES

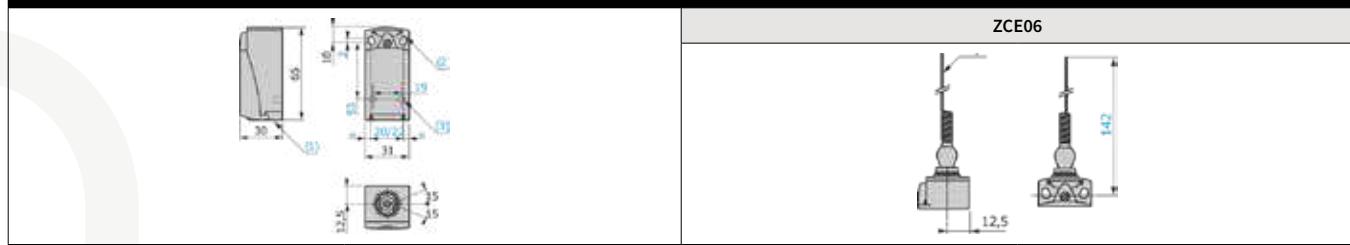
Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

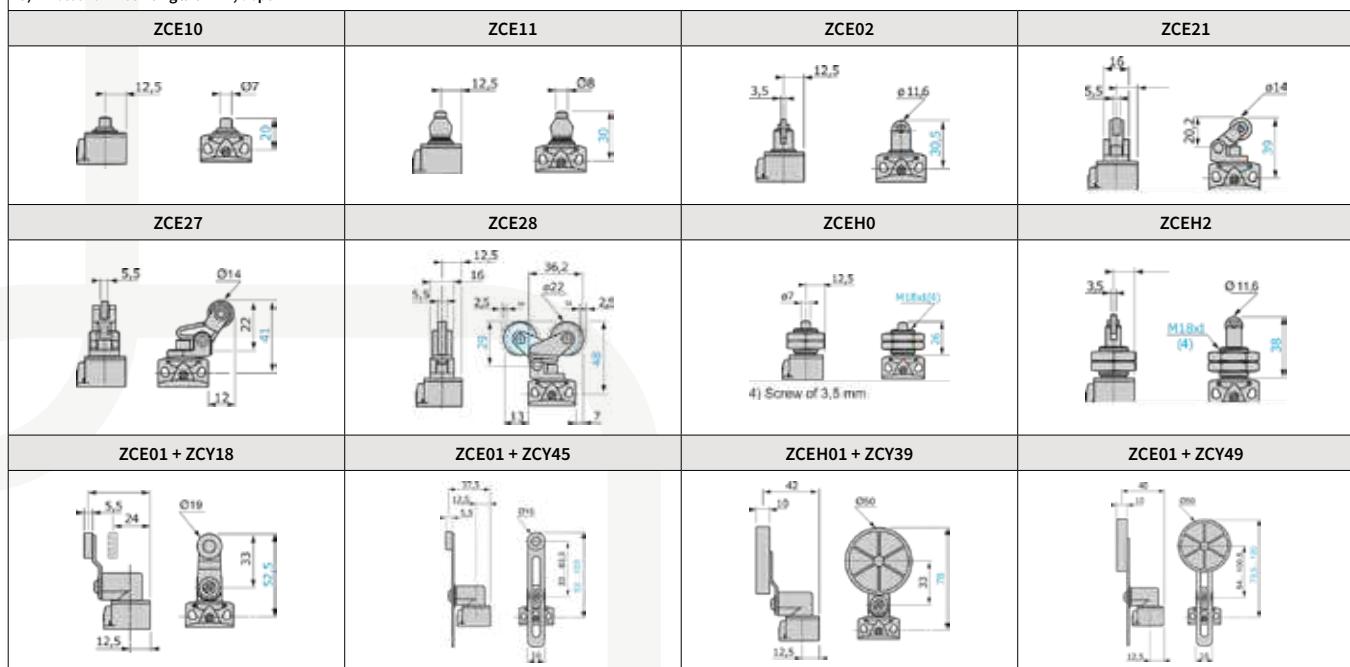
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XCKWD - COMPACT RANGE

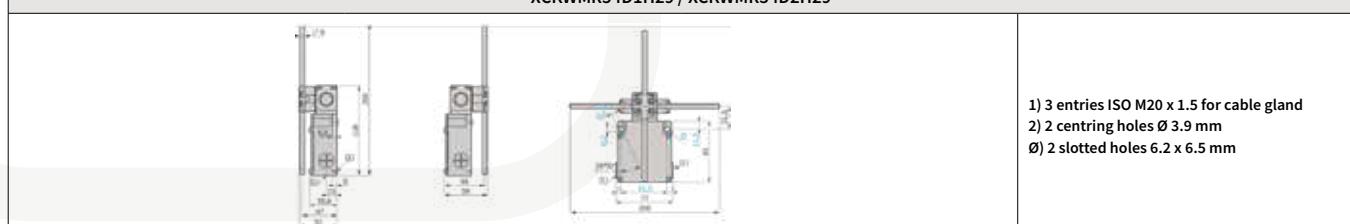


- 1) 1 entry ISO M16x1,5 for cable gland
- 2) 2 slotted holes Ø 4.3 x 6.3 mm and fixing distance 22 mm or 2 holes Ø 4.3 mm and fixing distance 20 mm
- 3) 2 holes for mounting Ø 3 mm, depth 4 mm

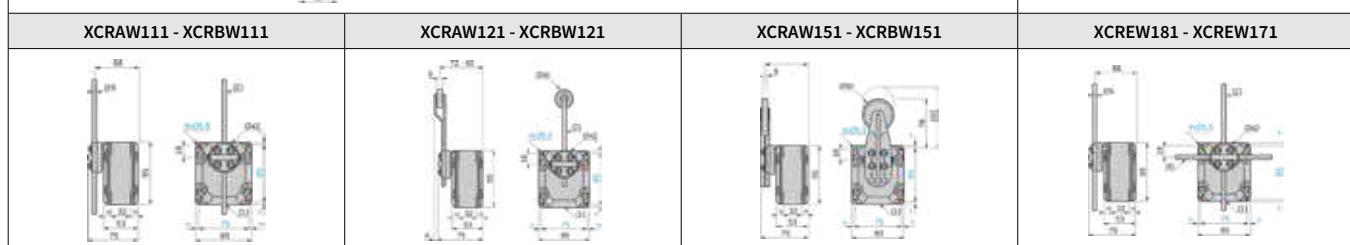


XCKWMR, XCRA/B/TW

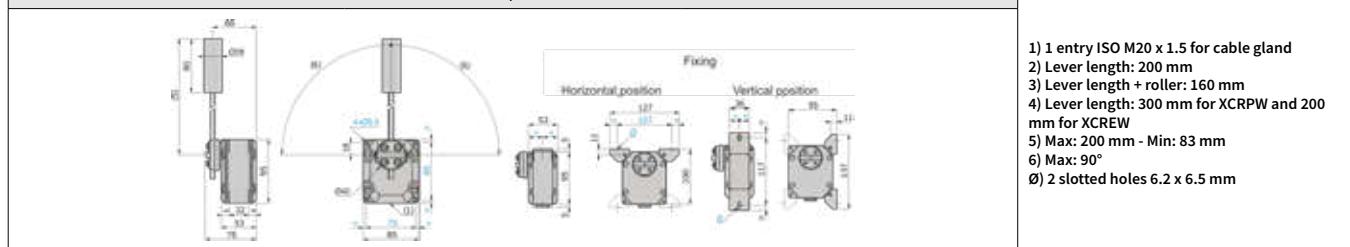
XCKWMR54D1H29 / XCKWMR54D2H29



- 1) 3 entries ISO M20 x 1.5 for cable gland
- 2) 2 centring holes Ø 3.9 mm
- Ø) 2 slotted holes 6.2 x 6.5 mm



XCRTW115 / XCRTW215



- 1) 1 entry ISO M20 x 1.5 for cable gland
- 2) Lever length: 200 mm
- 3) Lever length + roller: 160 mm
- 4) Lever length: 300 mm for XCRPW and 200 mm for XCREW
- 5) Max: 200 mm - Min: 83 mm
- 6) Max: 90°
- Ø) 2 slotted holes 6.2 x 6.5 mm

KEY-LOCK SAFETY SWITCHES WITH POSITIVE OPENING

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX LIMIT SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex-proof key-lock safety switches ideal to control gates, protections, carters and any moving mechanical part.

The stainless steel operating key has to be fixed to the mobile part of the protection.

The key is removed from the switch when opening the protection and a mechanism ensures the positive opening of the electric contact.

Applicable to any type of protection (hinged, removable or sliding).
It is possible to operate the switch with a key allowing the restart only by inserting the same key.

Electrical power or timers not required.



EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	Contact unit:	Item No.:	
PS 693N - Key lock safety switch with positive opening	C6 (1NO+1NC)	PS 693N	
PS 993N - Key lock safety switch with positive opening	C9 (2NC)	PS 993N	
PS 6R2N - Key lock safety switch with manual mechanical delay and positive opening	C6 (1NO+1NC)	PS 6R2N	
PS 9R2N - Key lock safety switch with manual mechanical delay and positive opening	C9 (2NC)	PS 9R2N	

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Housing:	Aluminium light alloy. Externalepoxy RAL7000
Ingress protection:	IP66/67
Frequency of operations:	20/min up to +40°C
Number of cycles:	8 - 10 millions
Nominal current:	I: 10 A
Insulating voltage:	Ui: 500 Vac / 600 Vdc
Impulse withstand voltage:	Uimp: 6 kV
Short circuit current:	1000 A
Short circuit protection:	Fuse 10A 500 V
Minimum conductor section:	1.5 mm ²
Max. current density:	5 A/mm ²
Cable entries:	1 x 1/2" NPT. In option M20X1.5. (Cable gland not included)

KEY-LOCK SAFETY SWITCHES WITH POSITIVE OPENING

Zones 1, 2, 21, 22

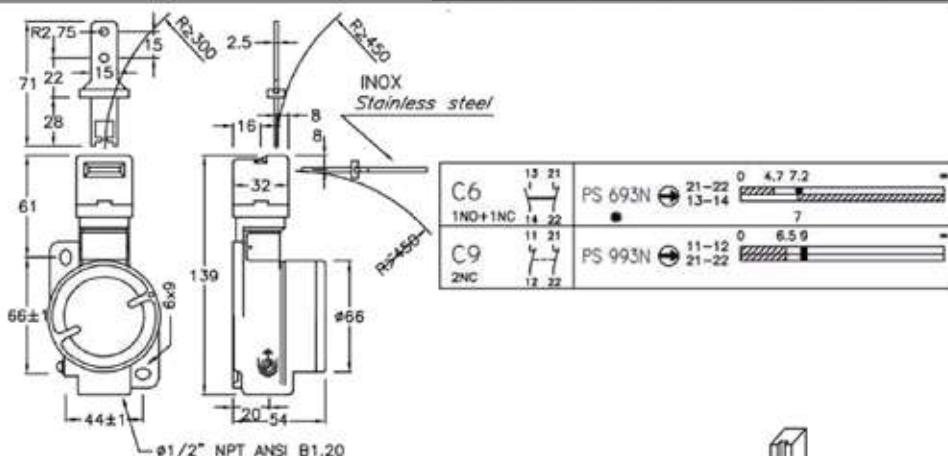
Full catalogue available on our website: www.inpratex.com

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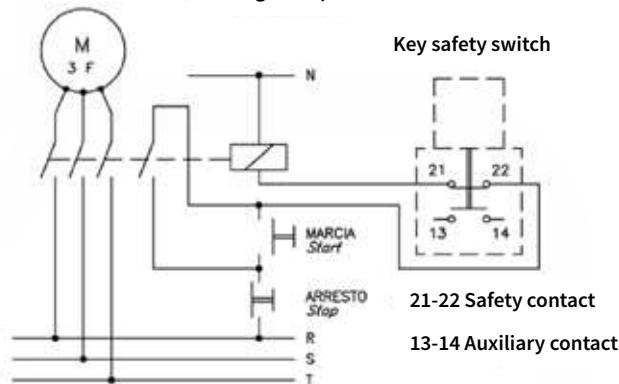


With Key

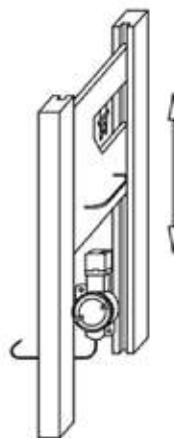
Legend



Wiring example

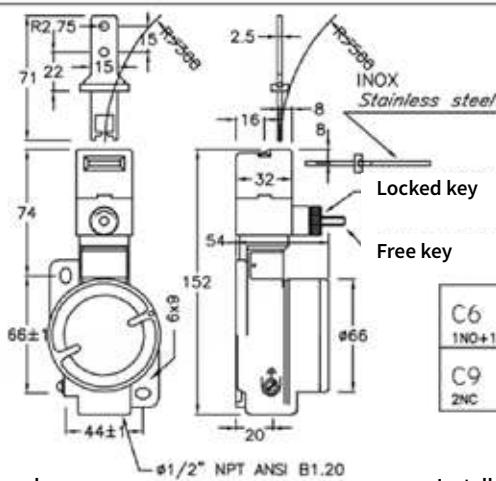


Installation example



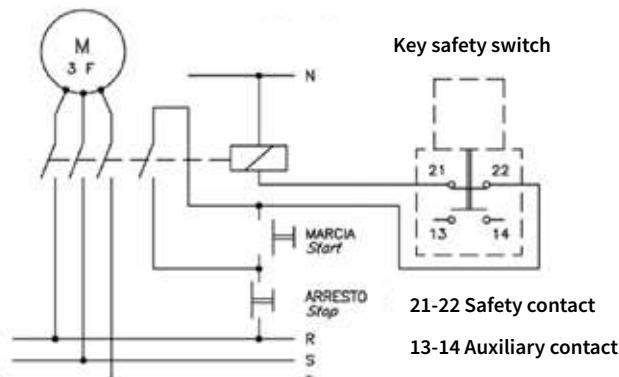
With Key Manual Mechanical Delay

Legend

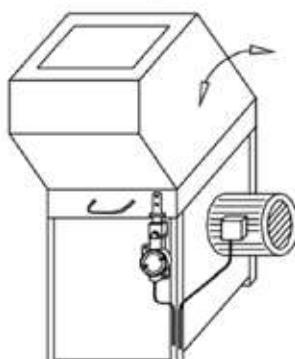


C6 1NO+1NC	PS 6R2N
C9 2NC	PS 9R2N

Wiring example



Installation example



CABLE OPERATED SAFETY SWITCHES WITH POSITIVE OPENING

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX LIMIT SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex-proof cable operated safety switches ideal to control any moving mechanical parts especially conveyors.

Self-diagnostic for the correct operation of the unit by opening the contacts in case of cable loosening or breakage detection.

The version with reset includes the indicator of correct tension of the cable as well as a mechanical indicator of the status of the contacts. Contacts remain open after the intervention even if the cable is released.

Suitable for cables with free span up to 16 m and, with appropriate extensions, even beyond.



EU-Type Examination Certificate

TECHNICAL SPECIFICATIONS						
Marking:	II 2G Ex d IIC T6/T5 Gb II 2D Ex tb IIIC T85°C/T100°C Db					
Certificate:	EU-Type Examination Certificate					
Housing:	Aluminium light alloy. Externalepoxy RAL7000					
Operating temperature:	-20°C to +40°C					
Ingress protection:	IP66/67					
Frequency of operations:	20/min up to +40°C					
Number of cycles:	8 - 10 millions					
Nominal current:	I: 10 A					
Insulating voltage:	Ui: 500 Vac / 600 Vdc					
Impulse withstand voltage:	Uiimp: 6 kV					
Short circuit current:	1000 A					
Short circuit protection:	Fuse 10A 500 V					
Minimum conductor section:	1.5 mm ²					
Max. current density:	5 A/mm ²					
Cable entries:	1 x 1/2" NPT. In option M20X1.5. (Cable gland not included)					
CONTACT UNIT						
AC15 (50-60Hz) DC13 (d.c.)						
U _e (V)	250	400	500	24	125	250
I _e (A)	6	4	1	6	1.1	0.4
ELECTRICAL DIAGRAM						

CABLE OPERATED SAFETY SWITCHES WITH POSITIVE OPENING

Zones 1, 2, 21, 22

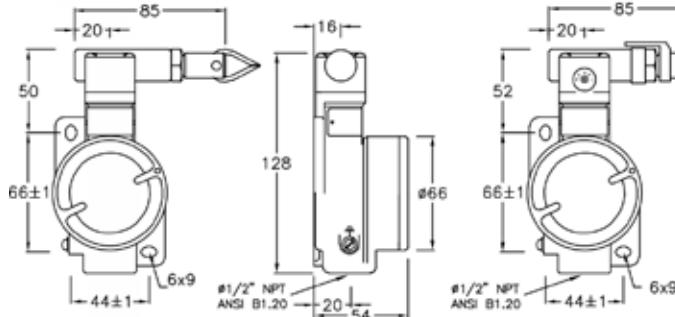
Full catalogue available on our website: www.inpratex.com

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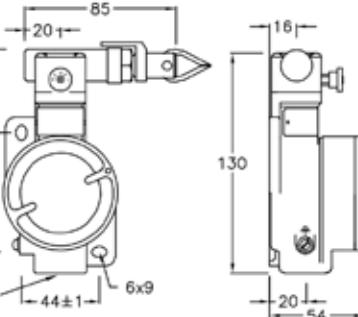
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CONTROL & CONNECTION EQUIPMENT

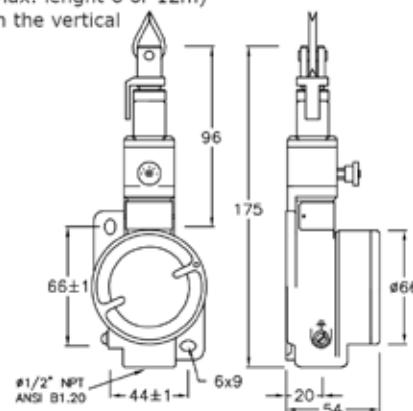
WITH CONNECTING ROD FOR ROPE



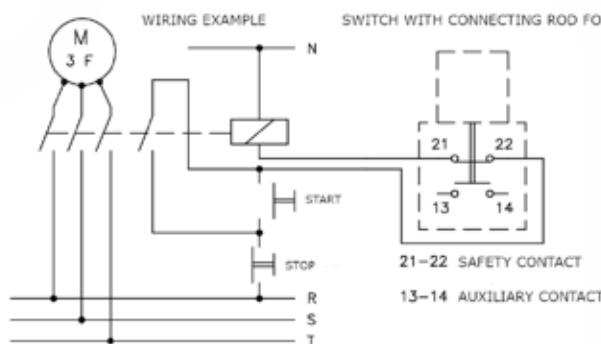
WITH CONNECTING ROD RESET
ROPE ON THE RIGHT (684-984)
AND LEFT (683-983)



WITH CONNECTING ROD RESET ROPE
(Max. lenght 6 or 12m)
on the vertical



CONTACT BLOCKS	CATALOGUE No.	TRAVEL DIAGRAMS	CATALOGUE No.	TRAVEL DIAGRAMS	CATALOGUE No.	TRAVEL DIAGRAMS
C6 1NO+1NC 14 22	PS 680N	21-22 0 4.0 8 12.6 14 16 13-14 3.5 S 13	PS 684N PS 683N	21-22 0 8 14 16 13-14 R4.5 S R12	PS 678	21-22 0 4 8 8.5 13-14 R1.5 S R6.5
C9 2NC 12 22	PS 980N	11-12 0 3.5 8 13 16 21-22 S 14.5	PS 984N PS 983N	11-12 0 8 14 16 21-22 R4.5 S R12	PS 978	11-12 0 4 8 8.5 21-22 R1.5 S R6.5

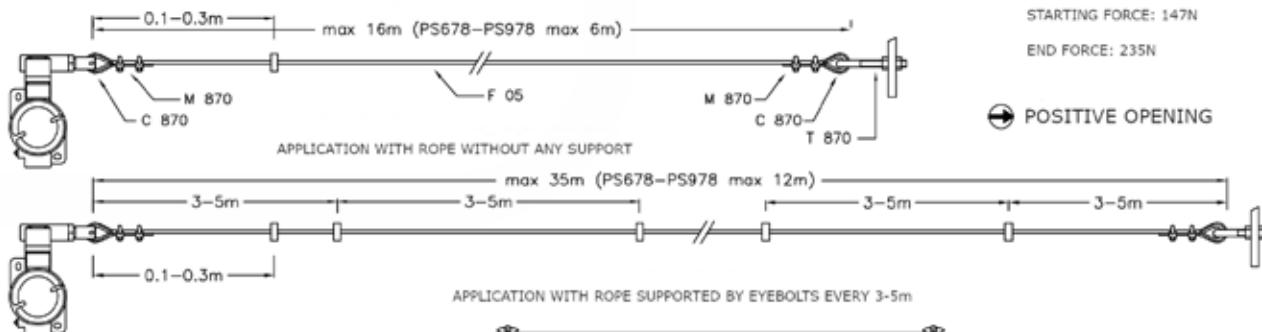


SWITCH WITH CONNECTING ROD FOR ROPE

ACCESSORIES

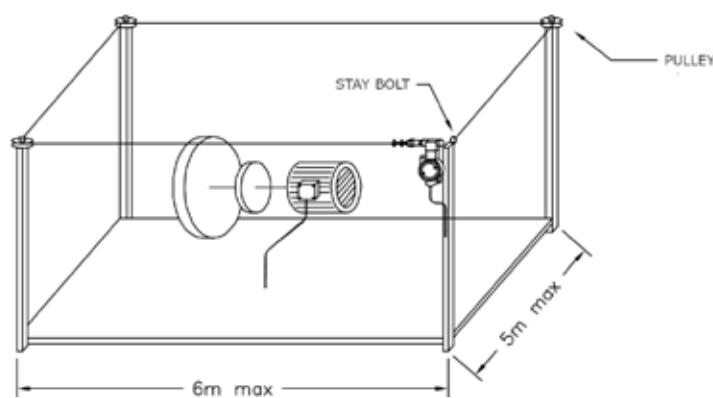
Art. T 870	STAY BOLT SUITABLE FOR SETTING THE ROPE IN TENSION CORRECTLY (pcs. 1)
Art. M 870	ROPE CLAMP (pcs. 2 or 4)
Art. C 870	THIMBLE (pcs. 1)
Art. F 05	RED PLASTICIZED STEEL ROPE Ø5mm (coils of 100m)

INSTALLATION EXAMPLES



STARTING FORCE: 147N
END FORCE: 235N

POSITIVE OPENING



BUOYANT OPERATED LIMIT SWITCHES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

4



ATEX LIMIT SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



Explosion-proof buoyant operated limit switch, certified for use in explosive atmosphere, zones 1 & 2 for gas and zones 21 & 22 for dust.

Buoyant in Moplen, cable in Nylon (2m) and counterweight in Zinc Plated Steel. Tags and screws in Stainless Steel.

The switch is normally supplied with actuator acting in both directions (actuator with float left or right).

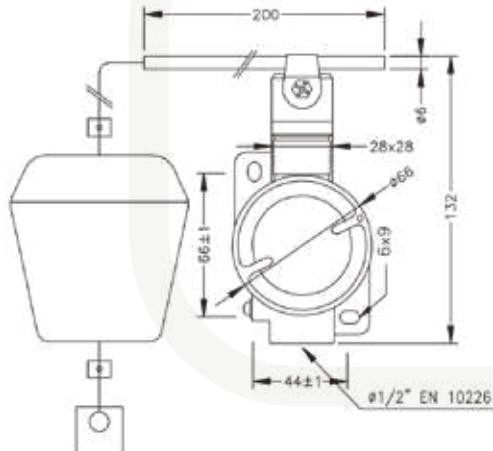


EU-Type Examination Certificate

ITEM REFERENCES					
Designation:	Contact type:	Contact:	Current(A):	Voltage (V):	Item No.:
PS 10AG	Single pole	1NA+1NC	I max = 10A	V max = 220V AC/DC	4D0401
PS 20AG	Double pole	2NA+2NC	I max = 10A	V max = 220V AC/DC	4D0402

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex d IIC T6/T5 Gb II 2D Ex tb IIIC T85°C/T100°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Aluminium light alloy
Colour:	External Epoxy RAL7000
Operating temperature:	-20°C to +40°C
Ingress protection:	IP66/67
Cable entries:	1/2" NPT. M20X1.5 on request. (Cable gland not included)



PULL-WIRE SWITCHES

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX LIMIT SWITCHES

ZONES 1, 2 (gas) & 21, 22 (dust)



The pull-wire switches are installed above or near conveyors, machines or installations which can not be secured by other devices such as protective covers.

They provide a reliable and proven solution for all situations where security is fundamental especially in potentially explosive atmospheres.

They are designed for explosive atmospheres gas/vapours or dust and meet the highest levels of protection.



EU-Type Examination Certificate



ITEM REFERENCES

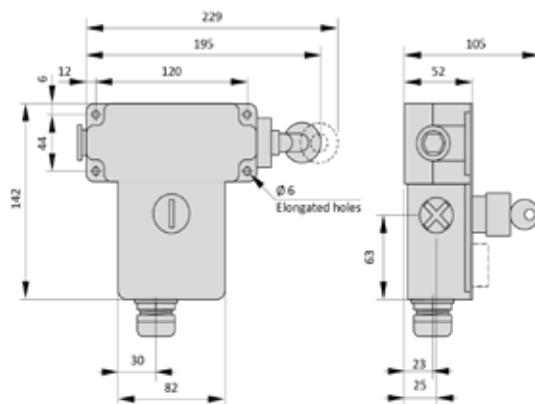
Designation:	Operating anchoring cable point:	Contact:	Item No.:
Reset by booted push button	To left	1 x NC + NO	4D0601
Reset by booted push button	To left	1 x NC + NC	4D0602
Reset by booted push button	To right	1 x NC + NO	4D0603
Reset by booted push button	To right	1 x NC + NC	4D0604
Reset by key release push button - Key 421	To left	1 x NC + NO	4D0605
Reset by key release push button - Key 421	To left	1 x NC + NC	4D0606
Reset by key release push button - Key 421	To right	1 x NC + NO	4D0607
Reset by key release push button - Key 421	To right	1 x NC + NC	4D0608

TECHNICAL SPECIFICATIONS

Marking:	II 2GD Ex d e IIC T6 Gb Ex tb IIIC T85°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Zamac, carbon steel
Features of the contact block:	U _{max} = 250 V I _{max} = 3 A
Mechanical endurance of the head:	Head: 5 million operations - Contact block: 1 million operations
Operating temperature:	-20°C to +60°C
Ingress protection:	IP65
Cable entries:	1xM20 cable gland

ACCESSORIES

Designation:	Item No.:
Cable pulley support	4D0609
Pulley for Ø5 mm cable max.	4D0610
Cable end protector for cable Ø3,2 mm	4D0611
Cable end protector for cable Ø5 mm	4D0612
Swivelling cable support	4D0613
End spring	4D0614



4.9

EARTHING & GROUNDING DEVICES



PTA 10 GROUNDING CLAMPS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 1, 2 (gas) & 21, 22 (dust)

4

Ex

CONTROL & CONNECTION EQUIPMENT



Grounding clamp indispensable whenever it is required the temporary grounding of tank trucks or tankers during transfer either of liquids or hazardous substances.

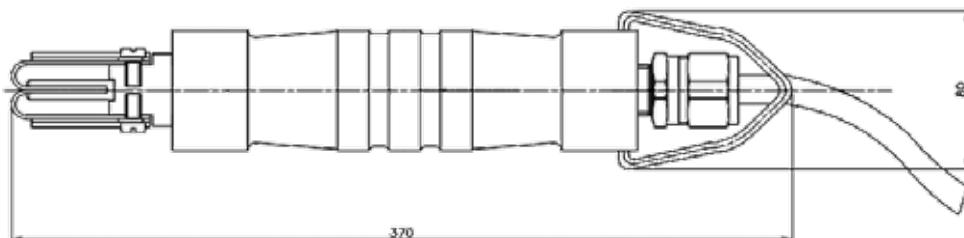
The fastening is secured by two brass springs of great strength.



EU-Type Examination Certificate

ITEM REFERENCES					
Designation:	Insulation voltage:	Gripping capacity:	Current (A):	Cable section:	Item No.:
PTA 10	3000 V	0,5mm ~ 3mm	I max = 10A	6 - 10 - 16 mm ²	6D0401

TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex d IIC T6/T5  II 2D Ex tD A21 T85°C - T100°C
Certificate:	EU-Type Examination Certificate
Sleeve:	Polyamide
Anchor hook:	Stainless steel AISI 304
Contact spring:	Brass
Weight:	1 kg
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Cable entries:	1x1/2" NPT. Nickel plated cable gland (non armoured cable) External diameter (4 - 7 mm)



ISEO I GROUNDING CLAMPS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX certified grounding clamp specially designed for use in hazardous areas. Iseo I pliers are particularly suitable for equipping vehicles, tow trucks and tanks or to electrically ground mixing tanks.



EU-Type Examination Certificate



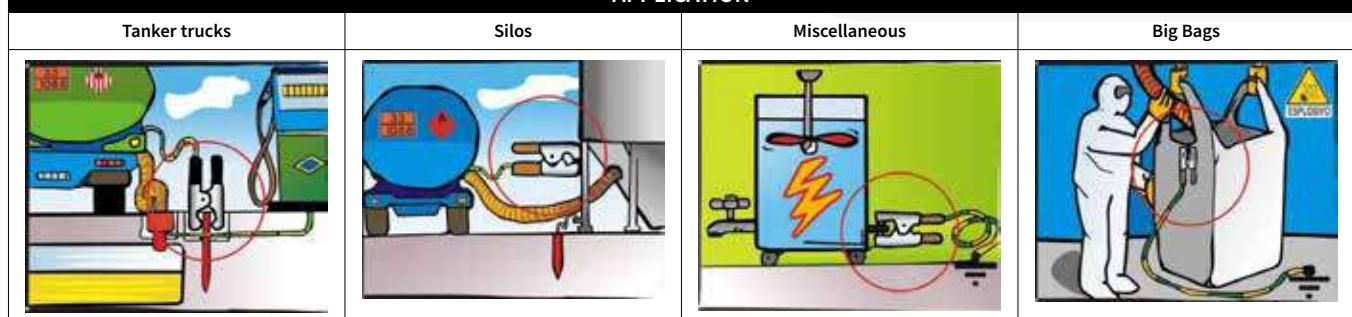
The electrical continuity is ensured by the carbonitrided steel contact tips which make a firm connection to any foothold having a thickness between 3 and 20 mm.

Equipped with tearingproof junction between the cable of the user and the one of the clamp.

ITEM REFERENCES

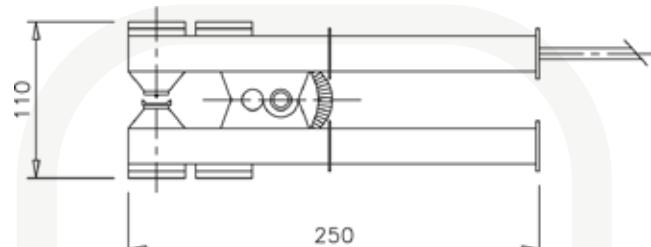
Designation:	Insulation voltage:	Gripping capacity:	Current (A):	Cable section:	Cable lenght:	Item No.:
ISEO I	3000 V	3mm ~ 20mm	I max = 10A	1 x 6 mm ²	11 m	6D0501

APPLICATION



TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Material:	Aluminium
Contact tips:	Carbonitrided steel
Ingress protection:	IP65
Weight:	0,700 kg
Operating temperature:	-20°C to +55°C



NOTES

Check daily the sliding of the crimping rod within the body of the clamp. Keep the coupling clean and lubricated with silicone spray. This is necessary to ensure grounding while making sure that any disruptive discharges occur in the inner chamber, purposely isolated, and not in the external environment.

For correct operation of the clamp it is recommended a monthly check of the crimping plugs, subject to wear; this ensures a perfect contact with the terminal which are linked to. Check the integrity of the electrical cable to the ground terminal in the vicinity of the clamp itself; verify the electrical continuity (at least once a month).

For use in potentially explosive atmospheres caused by dusts the user must provide a regular cleaning to limit the formation of layers of dust.

ISEO II GROUNDING CLAMPS

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 1, 2 (gas) & 21, 22 (dust)

ATEX certified grounding clamp specially designed for use in hazardous areas. Iseo II pliers are the ideal tool for tanker loading platform equipped with electronic devices to signal correct grounding.



EU-Type Examination Certificate



The electrical continuity is ensured by the carbonitrided steel contact tips which make a firm connection to any foothold having a thickness between 3 and 20 mm.

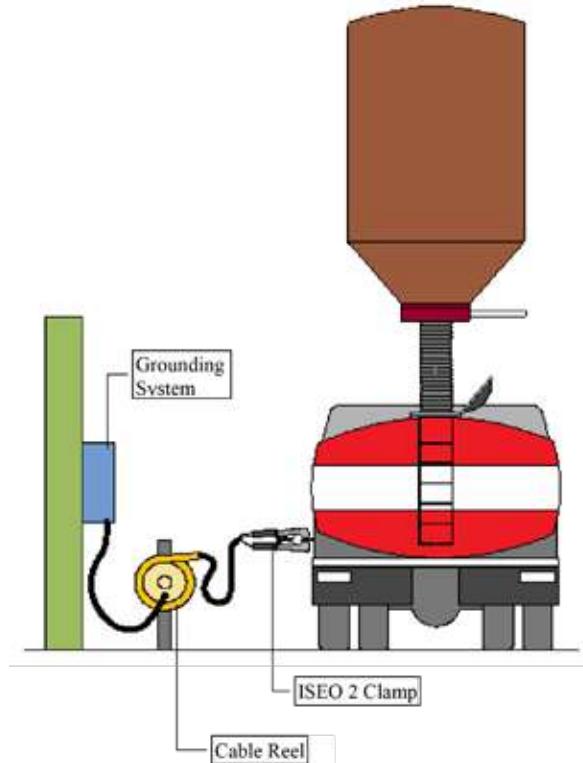
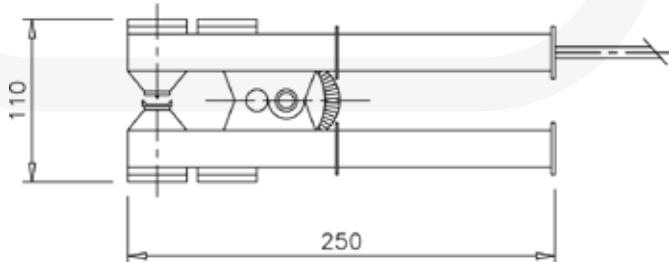
Equipped with tearingproof junction between the cable of the user and the one of the clamp.

ITEM REFERENCES

Designation:	Insulation voltage:	Gripping capacity:	Current (A):	Cable section:	Cable lenght:	Item No.:
ISEO II	3000 V	3mm ~ 20mm	I max = 10A	3 x 3 mm ²	11 m	6D0502

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex d IIC T6 II 2D Ex tb IIIC T85°C Db
Certificate:	EU-Type Examination Certificate
Material:	Aluminium
Contact tips:	Carbonitrided steel
Ingress protection:	IP65
Weight:	0,700 kg
Operating temperature:	-20°C to +55°C



NOTES

Check daily the sliding of the crimping rod within the body of the clamp. Keep the coupling clean and lubricated with silicone spray. This is necessary to ensure grounding while making sure that any disruptive discharges occur in the inner chamber, purposely isolated, and not in the external environment.

For correct operation of the clamp it is recommended a monthly check of the crimping plugs, subject to wear; this ensures a perfect contact with the terminal which are linked to. Check the integrity of the electrical cable to the ground terminal in the vicinity of the clamp itself; verify the electrical continuity (at least once a month).

For use in potentially explosive atmospheres caused by dusts the user must provide a regular cleaning to limit the formation of layers of dust.

70SG PASSIVE GROUNDING CLAMPS WITH SPIRAL CABLE

Zones 0, 1, 2, 20, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 0, 1, 2 (gas) & 20, 21, 22 (dust)



Passive ATEX grounding clamps for the temporary grounding of tank trucks or tankers during transfer either of liquids or hazardous substances. Electrostatic charges are discharged effectively

Supplied with 5m of orange spiral cable, assembled with an ELM00714 plug. (1 m extendable to max. 5 m).

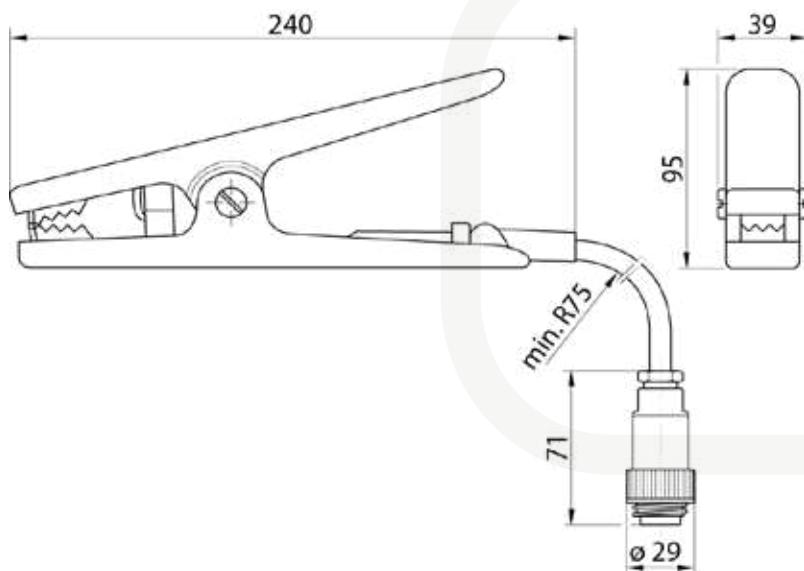


EU-Type Examination Certificate

ITEM REFERENCES				
Designation:	Clamping width:	Clamping force:	Spiral cable lenght:	Item No.:
70SG	35 mm	140 N ±20%	5 m	6D0710

70SG CLAMP TECHNICAL SPECIFICATIONS

Clamp Marking:	
Certificate:	EU-Type Examination Certificate
Clamp material:	Stainless steel
Operating temperature:	-20°C to +70°C
Ground cable: (color: orange)	Oil and gasoline resistant control lead H07BQ-F, 3 x 1.5 mm ² Temperature range -40...+90°C With fixed wire end ferrule 4-poles coupling plug
Dimensions:	See fig
Weight:	Approx. 0.6 kg
Earth leakage resistance:	235 kOhm ±10%
Max. discharge voltage:	I max = 10A
Chemical resistance:	Oil and gasoline



PROFI-LINE 106-1 GROUNDING CLAMPS

Zones 0, 1, 2, 20, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

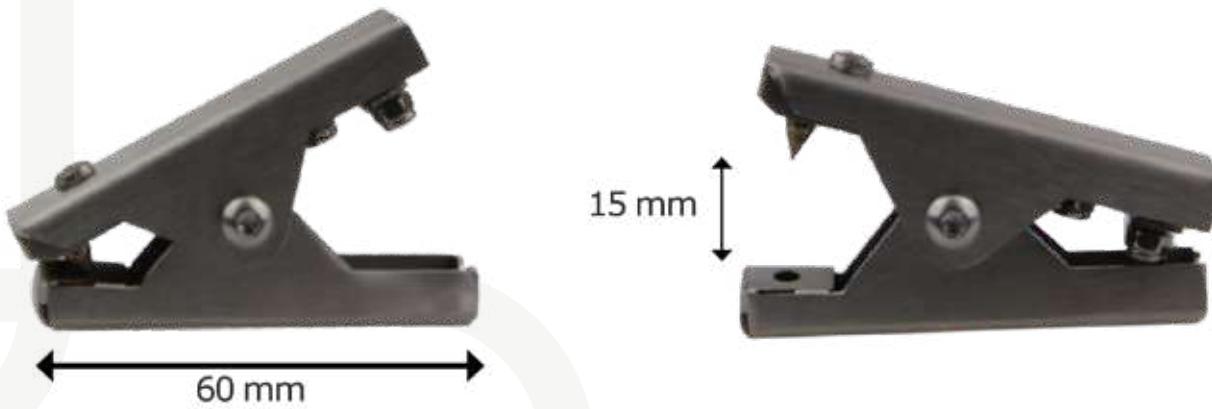
ZONES 0, 1, 2 (gas) & 20, 21, 22 (dust)

The grounding clamp PROFI-line 106-1 is suitable for all common applications in which the smallest components must be grounded. Due to the heavy design of the grounding clamp, it is also suitable for the roughest environmental conditions.

The stainless steel teeth are hardened and therefore particularly durable. When the grounding clamp is not in use, the teeth are protected by the existing relief holes in the clamp.



EU-Type Examination Certificate



These grounding clamps are especially made for discharging electrostatic charge from potentially endangered system parts. Sharp stainless steel teeth get through insulating layers such as paint, rust, dirt and grease thanks to the high pressure of the spring. In this way an effective "metal-to-metal" connection can be created and a safe grounding guaranteed.

- Hardened stainless steel teeth for long life.
- Approval for Zone 0 and Zone 20 according to Directive 2014/34/EU.
- All metallic parts are made of stainless steel.
- High contact pressure of the clamp, due to a strong spring.

ITEM REFERENCES	
Designation:	
PROFI-line 106-1	Item No.: 6D0630

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Material:	Stainless steel 1.4310
Side lenght:	60 mm
Opening angle:	15 mm
Connection type:	1-core via M3 eyelet (max. 4mm ²)
Stainless steel teeth:	Hardened, 2 pieces (mounted on one leg side)

PROFI-LINE 114-1 GROUNDING CLAMPS

Zones 0, 1, 2, 20, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 0, 1, 2 (gas) & 20, 21, 22 (dust)

The grounding clamp PROFI-line 114-1 is suitable for all common applications, such as grounding of drums, containers and canisters. Due to the heavy design of the grounding clamp, it is also suitable for the roughest environmental conditions.

The built-in stainless steel teeth are hardened and therefore particularly durable. When the grounding clamp is not in use, the teeth are protected by the existing relief holes in the clamp.



EU-Type Examination Certificate



These grounding clamps are especially made for discharging electrostatic charge from potentially endangered system parts. Sharp stainless steel teeth get through insulating layers such as paint, rust, dirt and grease thanks to the high pressure of the spring. In this way an effective "metal-to-metal" connection can be created and a safe grounding guaranteed.

- Hardened stainless steel teeth for long life.
- Approval for Zone 0 and Zone 20 according to Directive 2014/34/EU.
- All metallic parts are made of stainless steel.
- High contact pressure of the clamp, due to a strong spring.

ITEM REFERENCES	
Designation:	Item No.:
PROFI-line 114-1	6D0640

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Material:	Stainless steel 1.4310
Side lenght:	140 mm
Opening angle:	15 mm
Connection type:	1-core via M3 eyelet (max. 4mm ²)
Stainless steel teeth:	Hardened, 2 pieces (mounted on one leg side)

PROFI-LINE 123-1 GROUNDING CLAMPS

Zones 0, 1, 2, 20, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ONES 0, 1, 2 (gas) & 20, 21, 22 (dust)

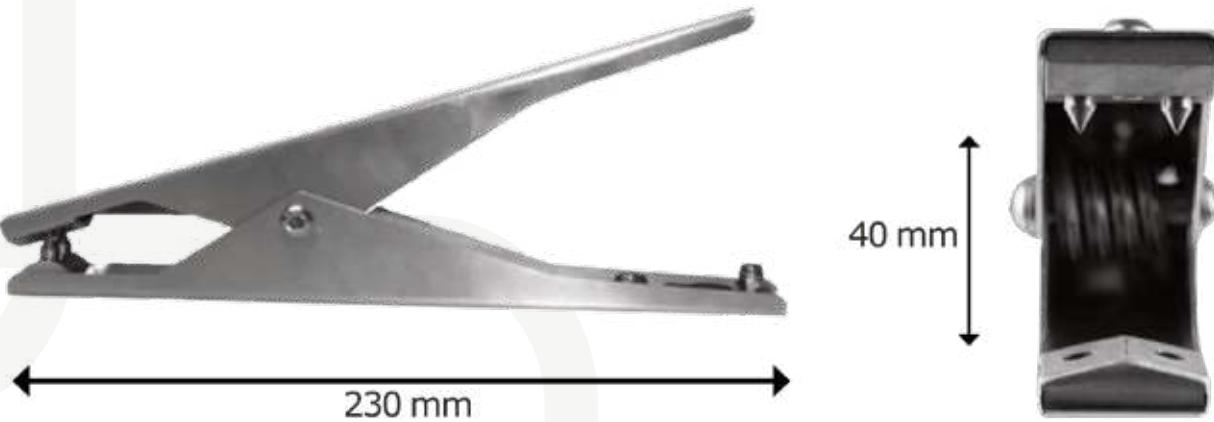
The grounding clamp PROFI-line 123-1 is suitable for all common and rough application areas, such as grounding of drums, containers and canisters, as well as grounding of trucks, trucks and IBCs. Due to the heavy design of the grounding clamp, it is also suitable for the roughest environmental conditions.

The built-in stainless steel teeth are hardened and therefore particularly durable. When the grounding clamp is not in use, the teeth are protected by the existing relief holes in the clamp.

Due to the generous design, this clamp can be operated perfectly even when wearing gloves.



EU-Type Examination Certificate



These grounding clamps are especially made for discharging electrostatic charge from potentially endangered system parts. Sharp stainless steel teeth get through insulating layers such as paint, rust, dirt and grease thanks to the high pressure of the spring. In this way an effective "metal-to-metal" connection can be created and a safe grounding guaranteed.

- Hardened stainless steel teeth for long life.
- Approval for Zone 0 and Zone 20 according to Directive 2014/34/EU.
- All metallic parts are made of stainless steel.
- High contact pressure of the clamp, due to a strong spring.

ITEM REFERENCES	
Designation:	
PROFI-line 123-1	Item No.:

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Material:	Stainless steel 1.4310
Side lenght:	230 mm
Opening angle:	40 mm
Connection type:	1-core via M8 eyelet (max. 10mm ²)
Stainless steel teeth:	Hardened, 2 pieces (mounted on one leg side)

PROFI-LINE 115-1 GROUNDING CLAMPS

Zones 0, 1, 2, 20, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 0, 1, 2 (gas) & 20, 21, 22 (dust)



EU-Type Examination Certificate

The grounding clamp PROFI-line 115-1 is suitable for all common applications in which unpainted containers, BIG-BAGs, pipes or container handles must be grounded. Due to the heavy construction of the grounding clamp it is also suitable for roughest environmental conditions.



These grounding clamps are especially made for discharging electrostatic charge from potentially endangered system parts. Sharp stainless steel teeth get through insulating layers such as paint, rust, dirt and grease thanks to the high pressure of the spring. In this way an effective "metal-to-metal" connection can be created and a safe grounding guaranteed.

- Hardened stainless steel teeth for long life.
- Approval for Zone 0 and Zone 20 according to Directive 2014/34/EU.
- All metallic parts are made of stainless steel.
- High contact pressure of the clamp, due to a strong spring.

ITEM REFERENCES	
Designation:	Item No.:
PROFI-line 115-1 mZ (strain relief)	6D0620
PROFI-line 115-1 oZ (no strain relief)	6D0621

TECHNICAL SPECIFICATIONS	
Marking:	II 1G Ex h IIC T6 Gb II 1D Ex h IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Material:	Stainless steel 1.4310
Side lenght:	150 mm
Opening angle:	45 mm
Connection type:	1-pole via M8 eyelet (max 10mm ²)
Stainless steel teeth:	Trident (mounting opposite)

PROFI-LINE 115 KAIMAN GROUNDING CLAMPS

Zones 0, 1, 2, 20, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 0, 1, 2 (gas) & 20, 21, 22 (dust)

The grounding clamp PROFI-line 115-KAIMAN is suitable for all common and rough application areas, such as grounding of drums, containers and canisters as well as grounding of trucks.

Due to the heavy design of the grounding clamp, it is also suitable for the roughest environmental conditions.

Due to the particularly high spring force, the grounding clamp also bites through the thickest layers of paint.



EU-Type Examination Certificate



These grounding clamps are especially made for discharging electrostatic charge from potentially endangered system parts. Sharp stainless steel teeth get through insulating layers such as paint, rust, dirt and grease thanks to the high pressure of the spring. In this way an effective "metal-to-metal" connection can be created and a safe grounding guaranteed.

- Hardened stainless steel teeth for long life.
- Approval for Zone 0 and Zone 20 according to Directive 2014/34/EU.
- All metallic parts are made of stainless steel.
- High contact pressure of the clamp, due to a strong spring.

ITEM REFERENCES

Designation:	Item No.:
PROFI-line 115-KAIMAN mZ (strain relief)	6D0660
PROFI-line 115-KAIMAN oZ (no strain relief)	6D0661

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Material:	Stainless steel 1.4310
Side lenght:	150 mm
Opening angle:	42 mm
Connection type:	1-core via M8 eyelet (max. 16mm ²)
Stainless steel teeth:	Hardened, 2 pieces (mounted opposite)

HM-ES HAND MAGNET

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING CLAMPS

ZONES 1, 2 (gas) & 21, 22 (dust)



The HM-ES hand magnet is the ideal solution when safe earthing of drums and containers is required, but the space for a normal earthing clamp is not available.

The flat-fitting housing can either be mounted on top of the drum lid by magnetic force or held on the side of the drum by magnetic force.

The two tips of the hand magnet connect to the painted base of the barrel by slight manual rubbing, thus establishing a secure connection to the good earth.

This magnet is designed as a simple earthing solution without monitoring.

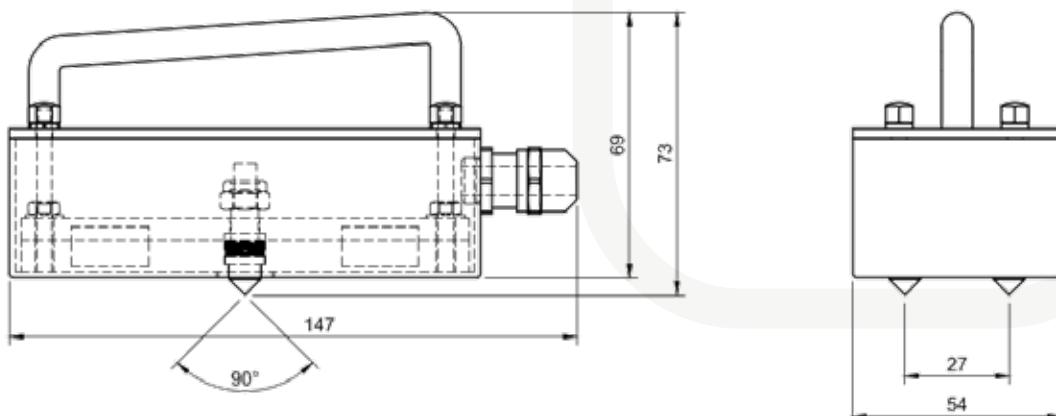


EU-Type Examination Certificate

ITEM REFERENCES	
Designation:	Item No.:
HM-ES with 1m smooth steel cable, green, 4mm ²	6D0724
HM-ES with 3m smooth steel cable, green, 4mm ²	6D0725
HM-ES with 5m smooth steel cable, green, 4mm ²	6D0726
HM-ES with 1m plain steel cable, green/yellow, 4mm ²	6D0727
HM-ES with 3m plain steel cable, green/yellow, 4mm ²	6D0728
HM-ES with 5m plain steel cable, green/yellow, 4mm ²	6D0729

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Material:	Stainless steel 1.4301 (V2A)
Dimensions:	147x54x73mm
Stainless steel teeth:	Hardened, 2 pieces
Scope of application:	Painted and unpainted containers with a volume over 50 litres



SPIRAL CABLE, STEEL (1 CORE)

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING



For use in hazardous areas according to EN 60079-14.

The steel spiral cables offer superior mechanical strength.

The cable withstands continuous daily use and is extremely resistant to acids, alkalis, mineral oils, greases and other chemicals due to its cable coating.

These spiral cables meet all requirements of the standards EN 60079-0 and EN 60079-14 and may be used accordingly in potentially explosive atmospheres.

The spiral cables are free of silicone.

The cable ends can be assembled with eyelets at no extra charge.



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Ex

CONTROL & CONNECTION EQUIPMENT

ITEM REFERENCES

Designation:	Cable colour:	Core:	Block length:	Item No.:
1m straight cable	Green	Steel-core	-	A179008
3m spiral cable	Green	Steel-core	160 mm	A173019
5m spiral cable	Green	Steel-core	260 mm	A173020
10m spiral cable	Green	Steel-core	600 mm	A173021
1m straight cable	Green/Yellow	Steel-core	-	A173010
3m spiral cable	Green/Yellow	Steel-core	160 mm	A173022
5m spiral cable	Green/Yellow	Steel-core	260 mm	A173023
10m spiral cable	Green/Yellow	Steel-core	600 mm	A173024

TECHNICAL SPECIFICATIONS

Cable type:	ST-Li2Y
Cable colour:	Green or Green / Yellow
Cross section:	4 mm ²
Wire type:	Steel cable
Ambient temperature:	-40°C...+80°C

SPIRAL CABLE, COPPER (1 CORE)

Full catalogue available on our website: www.inpratex.com

ATEX GROUNDING

The copper spiral cables offer extremely high flexibility. The copper core used consists of 226 individual copper strands, which minimize the risk of cable breakage. The cable coating protects well against acids, alkalis, mineral oils, greases and other chemicals.

These spiral cables meet all requirements of the standards EN 60079-0 and EN 60079-14 and may be used accordingly in explosive areas.

The spiral cables are free of silicone. The cable ends can be assembled with eyelets at no extra charge.

For use in hazardous areas according to EN 60079-14.



ITEM REFERENCES				
Designation:	Cable colour:	Cross section:	Block length:	Item No.:
1m straight cable	Green/Yellow	4 mm ²	-	A179010
1m spiral cable	Green/Yellow	4 mm ²	100 mm	A416106
3m spiral cable	Green/Yellow	4 mm ²	600 mm	A416123
5m spiral cable	Green/Yellow	4 mm ²	1000 mm	A416107
10m spiral cable	Green/Yellow	4 mm ²	2000 mm	A416108
1m spiral cable	Green/Yellow	2,5 mm ² (according to TRGS 727)	100 mm	A179013
3m spiral cable	Green/Yellow	2,5 mm ² (according to TRGS 727)	600 mm	A416332
5m spiral cable	Green/Yellow	2,5 mm ² (according to TRGS 727)	1000 mm	A416333

TECHNICAL SPECIFICATIONS	
Cable type:	LIF11Y11Y, 226x0,15mm
Cable colour:	Green / Yellow
Cross section:	4 mm ² / 2,5 mm ²
Wire type:	Copper
Ambient temperature:	-40°C...+80°C

REWINDING CABLE REELS FOR PASSIVE GROUNDING TYPE 601 KR/EW

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

The 601KR/EW rewinding cable reel is available in an impact-resistant aluminum casing and can hold a grounding cable of up to 12 m. For use without ground monitoring system in Zones 1, 2, 21 and 22. It is supplied with 70PK type clamp.

This reel is designed for wall mounting, but can also be swivel-mounted using a mounting bracket. A coupling plug can be used to easily connect the passive 70PK clamp with the coupling bushing of the grounding cable.



EU-Type Examination Certificate

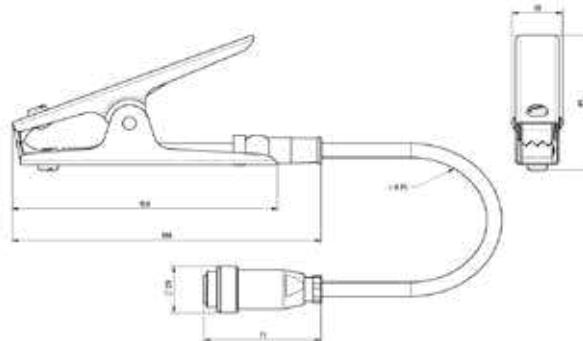


ITEM REFERENCES

Designation:	Cable lenght:	Connection cable lenght:	Weight:	Item No.:
601KR/EW - 70PK	12 m	2,5 m	Approx. 6 kg	6D0701

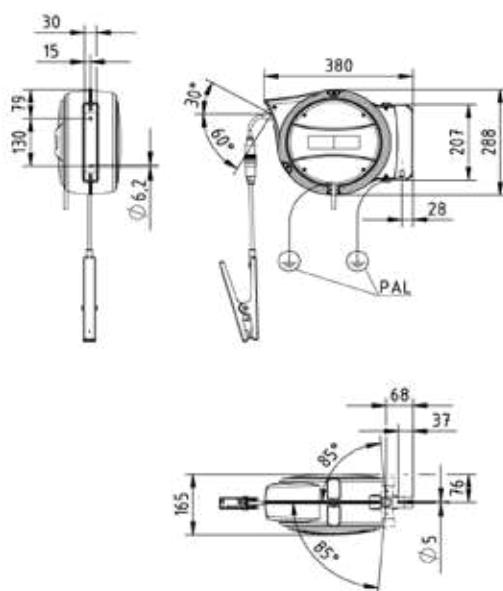
70 PK CLAMP TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Clamp material:	Stainless steel
Operating temperature:	-20°C to +70°C
Ground cable: (color: orange)	Oil and gasoline resistant control lead, 3 x 1.5 mm ² Temperature range -40...+90°C Connected 4-pin plug IP67
Dimensions:	See figure
Weight:	Approx. 0.29 kg
Clamping width:	35 mm
Clamping force:	100 N ±20%
Earth leakage resistance:	< 1 Ohm



601KR/EW CABLE REWINDER TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Enclosure:	Aluminium with rolls and stopper
Ingress protection:	IP42 according to EN 60529
Operating temperature:	-40°C to +70°C
Attachment:	Wall assembly via assembly bracket
Ground cable: (12 M)	Oil and gasoline resistant control lead, 3 x 1.5 mm ² Temperature range -40...+90°C Connected 4-pin socket IP67
Connecting lead:	2.5 m, connecting cable 3 x 1,5 mm ²
Dimensions:	See figure
Weight:	Approx. 5.7 kg with 12 m ground cable
Inductance:	Approx. 0.07 mH
Capacitance:	Approx. 1.6 nF



REWINDING CABLE REELS FOR PASSIVE GROUNDING (1 CORE)

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

The use of grounding reels is particularly useful in places where exposed cables are not required. The extremely stable stainless steel housing of the grounding reels protects especially against external environmental impacts.

The used steel or stainless steel cables are twisted and of highest strength. The end of the cable is equipped with a rubber bumper to cushion unwanted retraction.

The cable ends can be assembled with eyelets at no extra charge.



Declaration of conformity



ITEM REFERENCES		
Designation:	Lenght:	Item No.:
Grounding reel type 1 with steel cable, green coated, 2mm ²	7 m	6D0720
Grounding reel type 2 with steel cable, green coated, 2mm ²	15 m	6D0721
Grounding reel type 3 with stainless steel cable, blank, 4mm ² (Version for clean rooms, bare steel cable, no coating)	7 m	6D0722
Grounding reel type 4 with stainless steel cable, blank, 4mm ² (Version for clean rooms, bare steel cable, no coating)	15 m	6D0723

TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	Declaration of Conformity
Ambient temperature:	-40°C to +80°C
Material of the case:	Stainless steel V2A
Cable type:	Steel cable, green coated or Stainless steel cable, blank
Cross section:	2,0 mm ² / 4,0 mm ²

The clamp storage provides the optimal hold for all grounding clamps and ensures that they are stored properly so that they do not lay on the floor. It is mounted using M6 screws.



ACCESSORIES	
Designation:	Item No.:
Clamp storage for wall mounting	6D0730

REWINDING CABLE REELS FOR PASSIVE GROUNDING (1 CORE)

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

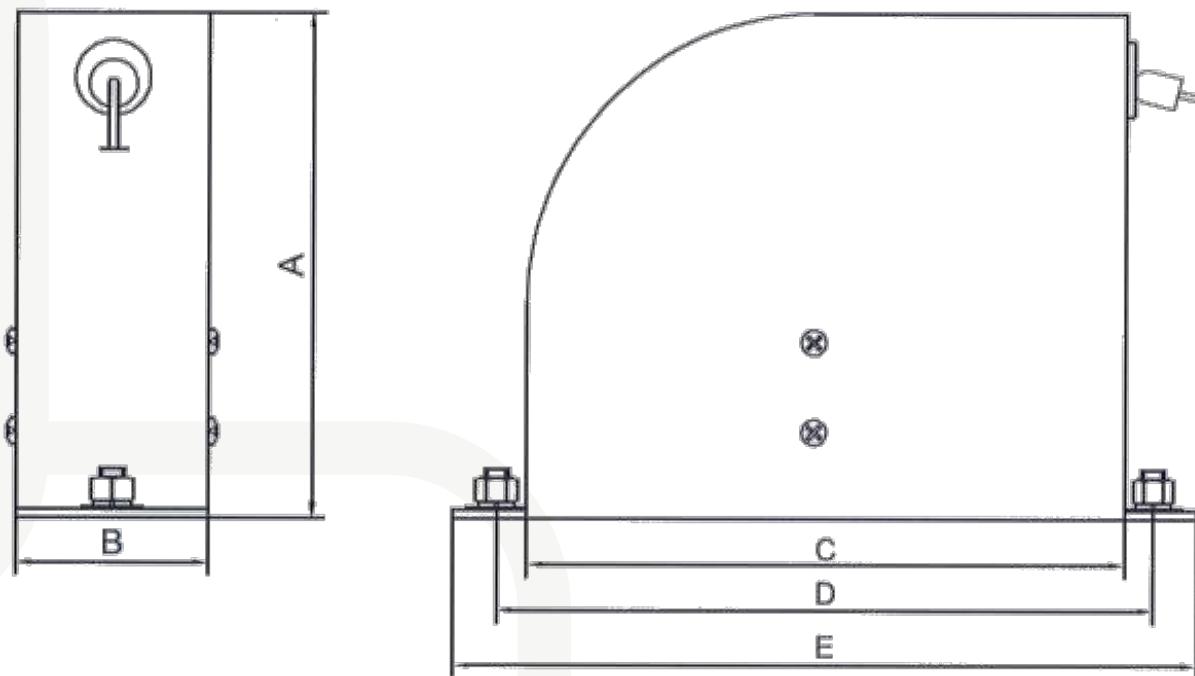
4



CONTROL & CONNECTION EQUIPMENT

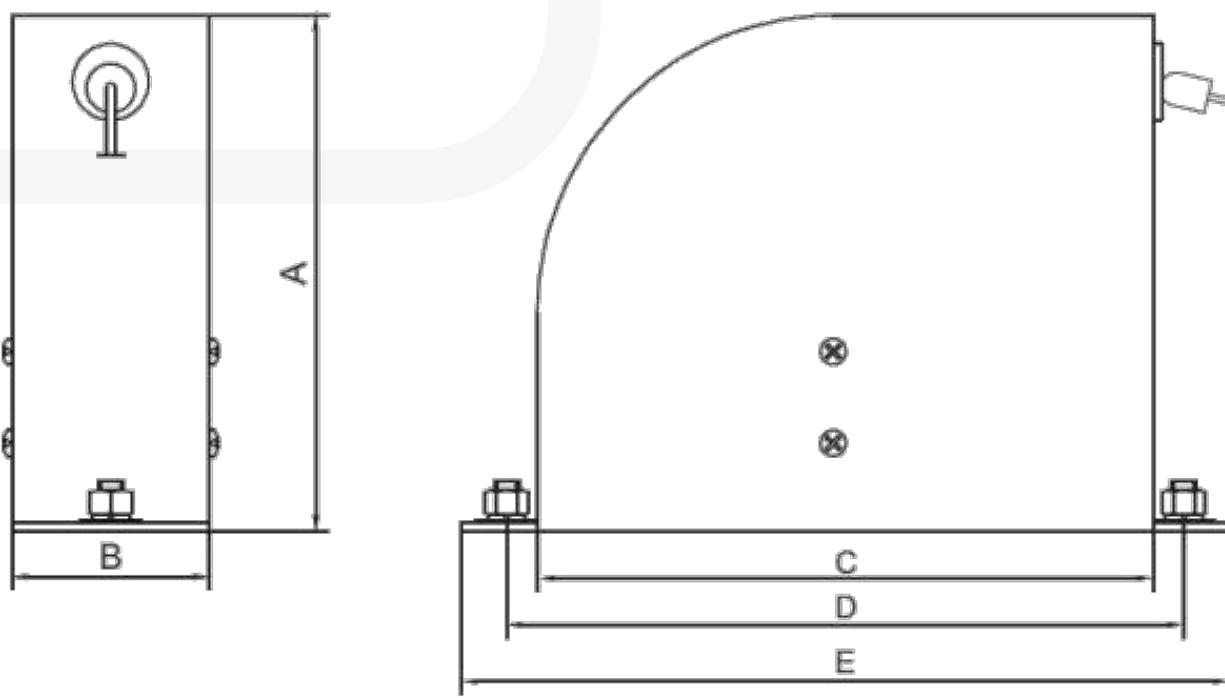
DIMENSIONS TYPE 1, TYPE 3

Type:	A:	B:	C:	D:	E:
Type 1	170 mm	62,5 mm	168 mm	194 mm	210 mm
Type 3	170 mm	62,5 mm	168 mm	194 mm	210 mm



DIMENSIONS TYPE 2, TYPE 4

Type:	A:	B:	C:	D:	E:
Type 2	231 mm	69,5 mm	226 mm	256 mm	276 mm
Type 4	231 mm	69,5 mm	226 mm	256 mm	276 mm



ECS-RF MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)



ECS-RF series electronic equipment provides earth connection of process equipment (road tankers, drums, IBCs, etc..) with real-time ground connection monitoring. The system monitors that connection to earth is obtained with a resistance lower than 10Ω , according to the ATEX Directive 2014/34/EU.

The device can be equipped with two Ex i outputs for remote LEDs installed directly on the clamp (consensus green LED and non consensus red LED).

- Compact and rugged Ex-d enclosure suitable for ATEX Zone 1/21 installation
- Equipped with high efficiency redundant green and red LEDs for connection monitoring

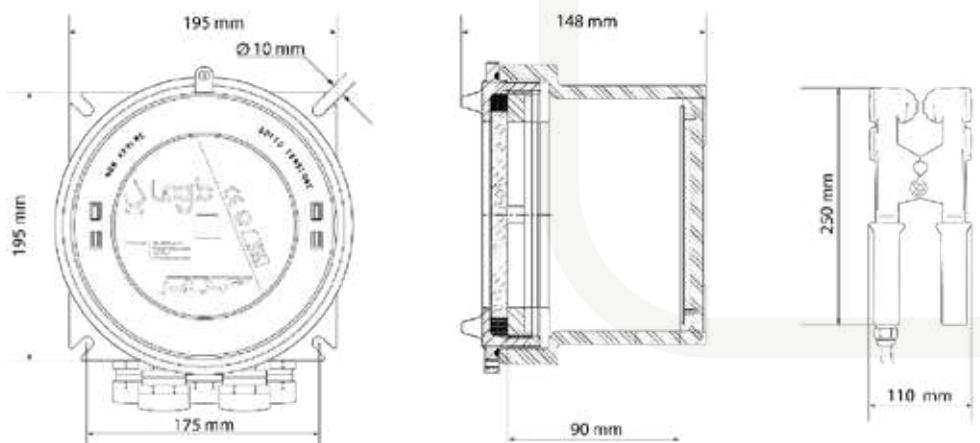


EU-Type Examination Certificate

ITEM REFERENCES				
Designation:	SIL:	Spiral cable lenght:	Weight:	Item No.:
ECS-RF-SP5-IS1L-HK01	SIL 2	5m	Approx. 6 kg	6D0902

TECHNICAL SPECIFICATIONS

Marking:	Ex II 2(1)G Ex d[ia Ga] IIC T6 Gb Ex II 2(1)D Ex tb[ia Da] IIIC T85°C Db		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-20°C to +55°C		
Clamp input Ex i:	$U_0=7.2V$, $I_0=345mA$, $P_0=621mW$, $C_0(IIC)=13.5\mu F$, $L_0(IIC)=149\mu H$, $L_0/R_0=860\mu H/\Omega$		
Output LED Ex i:	$U_0=7.2V$, $I_0=23mA$, $P_0=42mW$, $C_0(IIC)=13.5\mu F$, $L_0(IIC)=34\mu H$, $L_0/R_0=860\mu H/\Omega$		
Power supply:	230 VAC $\pm 5\%$		
Standard cable:	6-wire spiral cable, according to IEC 60332-1-2		
R threshold:	10Ω		
Dimensions:	195 x 195 x 148 mm		
Potential free contact:	COM/NC/NO		
Cable entries:	5xM20x1,5 1 - Grounding clamp 2 - Grounding cable	3 - Redundancy ground wire 4 - Power cable 5 - Potential free contact cable (if not used, install the plug provided)	



ECS-RF-CR20 MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

ECS-RF series electronic equipment provides earth connection of process equipment (road tankers, drums, IBCs, etc..) with real-time ground connection monitoring. The system monitors that connection to earth is obtained with a resistance lower than 10Ω, according to the ATEX Directive 2014/34/EU.

The device can be equipped with two Ex i outputs for remote LEDs installed directly on the clamp (consensus green LED and non consensus red LED).



- Compact and rugged Ex-d enclosure suitable for ATEX Zone 1/21 installation
- Equipped with high efficiency redundant green and red LEDs for connection monitoring
- This version includes the CR-20 reel with 20m cable



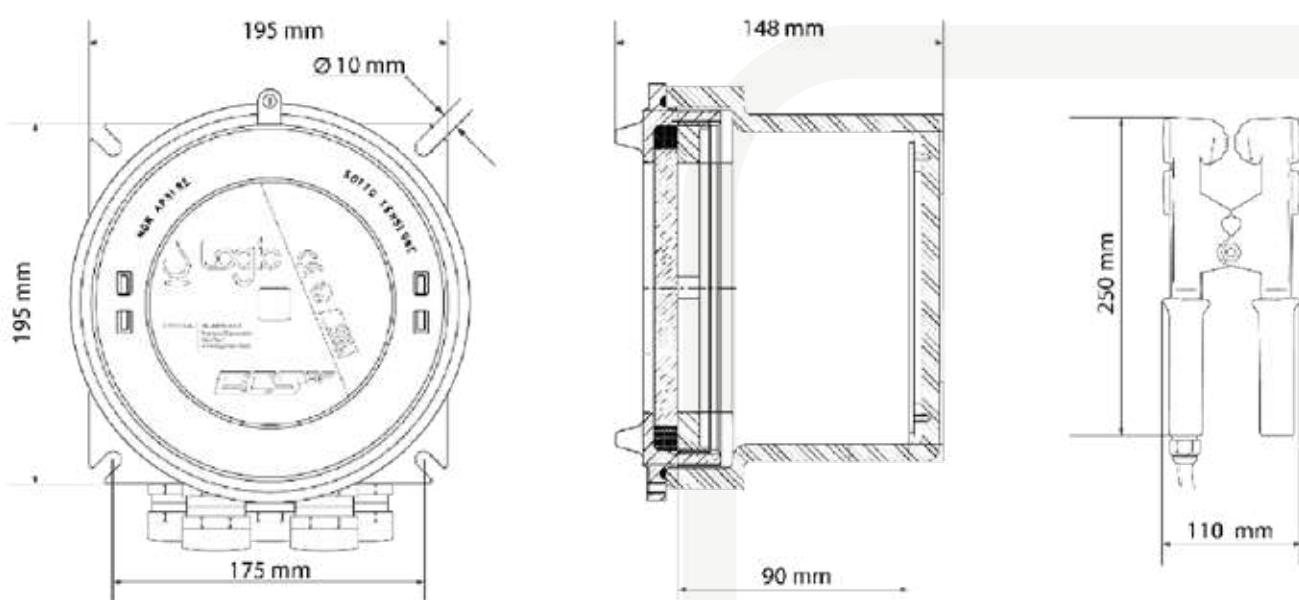
EU-Type Examination Certificate

ITEM REFERENCES			
Designation:	SIL:	Reel cable lenght:	Item No.:
ECS-RF-CR20-IS1S-HK	SIL 2	20m	6D0907

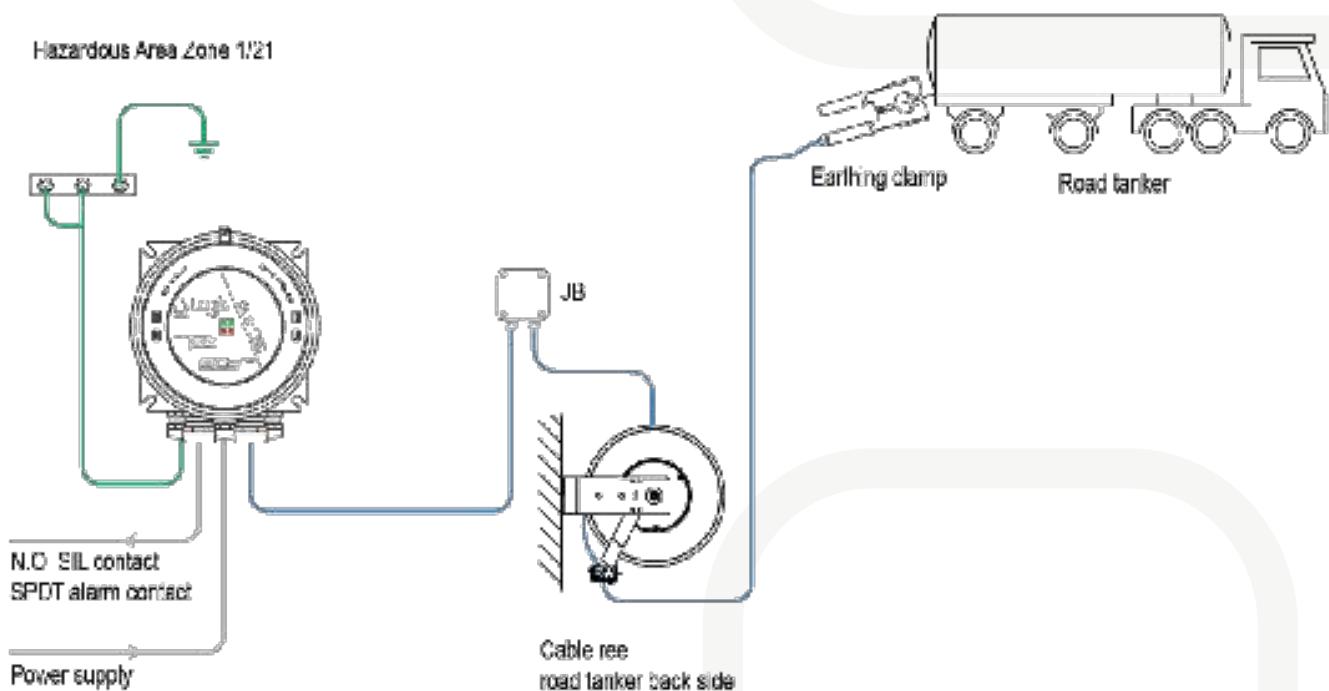
TECHNICAL SPECIFICATIONS		
Marking:	Earthing monitoring system: Ex II 2(1)G Ex d[ia] IIC T6 Gb (Ga) Ex II 2(1)D Ex d[ia] Ex tb IIIC T85°C	Cable reel: Ex II 2(1)G Ex d[ia] IIC T6 Gb (Ga) Ex II 2(1)D Ex d[ia] Ex tb IIIC T85°C
Certificate:	EU-Type Examination Certificate	
Operating temperature:	-20°C to +40°C	
Clamp input Ex i:	Uo=7.2V, Io=345mA, Po=621mW, Co(IIC)=13.5µF, Lo(IIC)=149µH, Lo/Ro=860 µH/Ω	
Output LED Ex i:	Uo=7.2V, Io=23mA, Po=42mW, Co(IIC)=13.5µF, Lo(IIC)=34µH, Lo/Ro=860 µH/Ω	
Power supply:	230 VAC ± 5%	
R threshold:	10 Ω	
Dimensions monitoring system:	195 x 195 x 148 mm	
Potential free contact:	COM/NC/NO	
Cable entries:	5xM20x1,5 1 - Grounding clamp 2 - Grounding cable	3 - Redundancy ground wire 4 - Power cable 5 - Potential free contact cable (if not used, install the plug provided)
Cable reel:	Stainless steel	

ECS-RF-CR20 MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

Hazardous Area Zone 1/21



ECS-RF-FIBC MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

The ECS-RF-FIBC system has been designed for earthing C-type FIBC big-bags, dissipating the static electricity generated during the transport of potentially explosive powders, continuously verifying via SIL2 electronics that the resistance to earth is always < 10MΩ.

By using the CLP-FIBC double earthing clamps, equipped with a contact strip that prevents damage to the gripping points, the system is able to recognise the presence of the big-bag and cannot be bypassed when connected to metal devices.



- 2x CPL-FIBC Earth clamp included
- Stainless steel hook for hanging the 2 clamps included



EU-Type Examination Certificate

ITEM REFERENCES

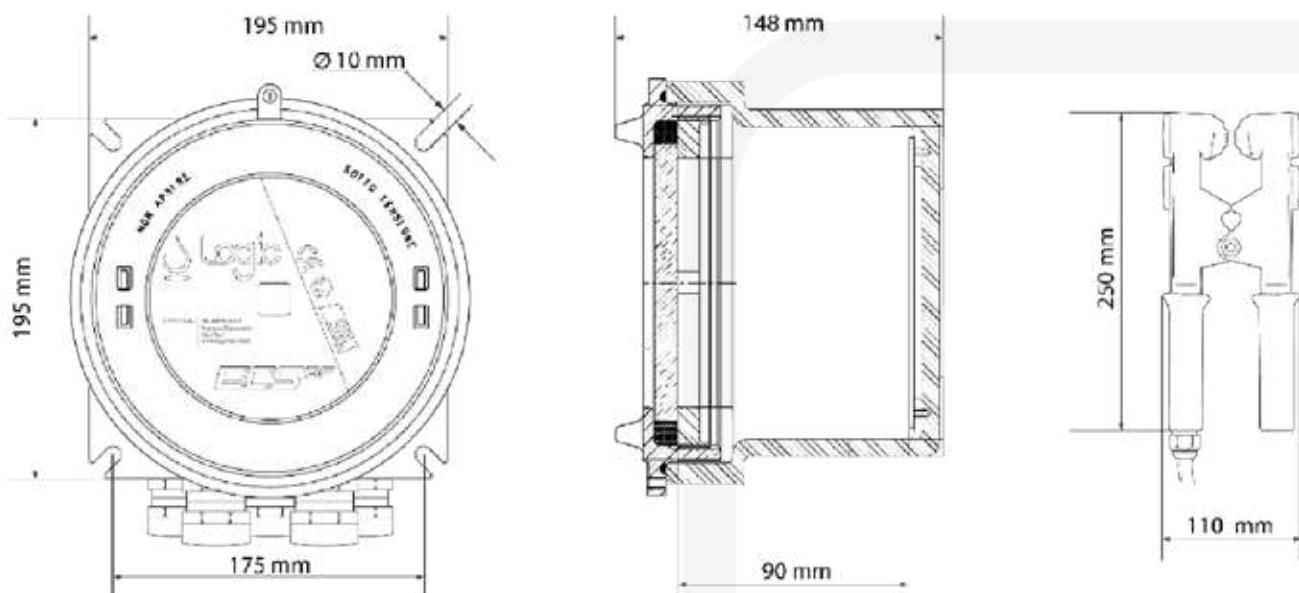
Designation:	SIL:	Spiral cable lenght:	Item No.:
ECS-RF-2xSP5-2xCLPFC-JB-HK	SIL 2	5m	6D0908

TECHNICAL SPECIFICATIONS

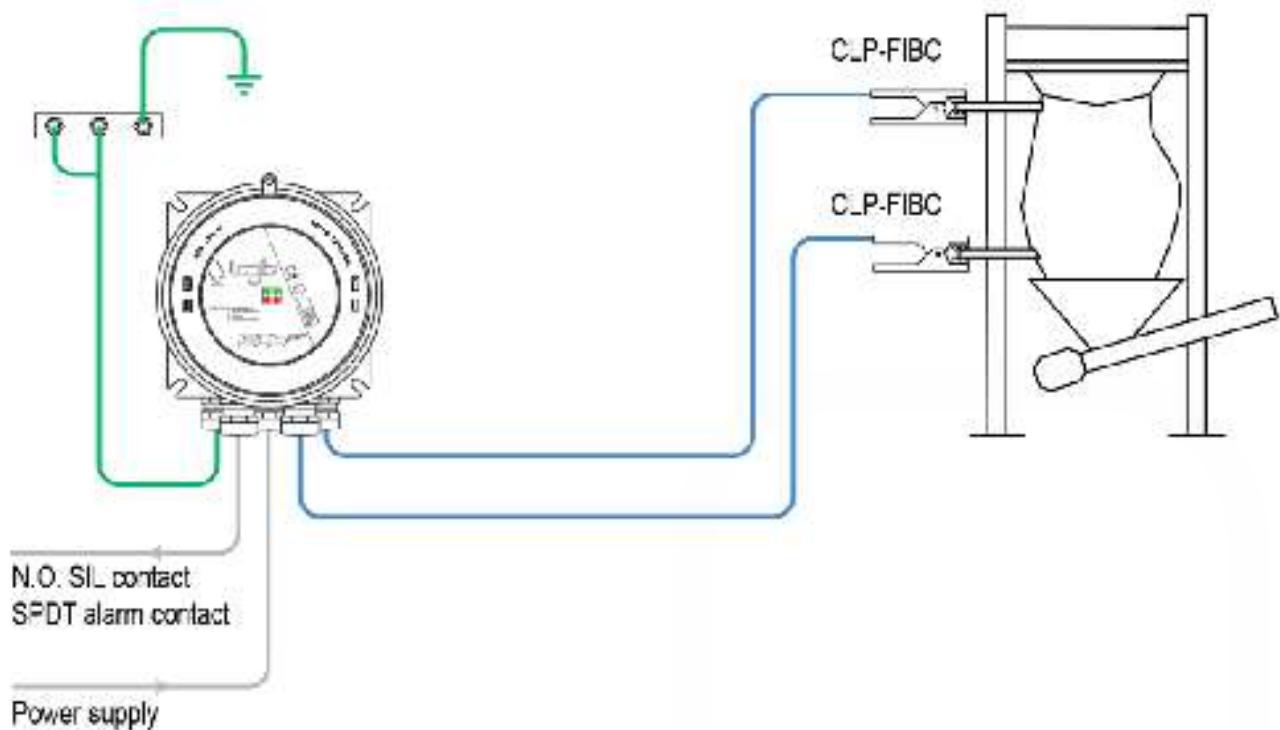
Marking:	Ex II 2(1)G Ex d[ia] IIC T6 Gb (Ga) Ex II 2(1)D Ex d[ia] Ex tb IIIC T85°C		
Certificate:	EU-Type Examination Certificate		
Operating temperature:	-20°C to +40°C		
Clamp input Ex i:	Uo=7.2V, Io=345mA, Po=621mW, Co(IIC)=13.5µF, Lo(IIC)=149µH, Lo/Ro=860 µH/Ω		
Output LED Ex i:	Uo=7.2V, Io=23mA, Po=42mW, Co(IIC)=13.5µF, Lo(IIC)=34µH, Lo/Ro=860 µH/Ω		
Power supply:	230 VAC, U _m =253V _{rms}		
Standard cable:	6-wire spiral cable, according to IEC 60332-1-2		
R threshold:	10 Ω		
Dimensions monitoring system:	195 x 195 x 148 mm		
Potential free contact:	COM/NC/NO		
Cable entries:	5xM20x1,5 1 - Grounding clamp 2 - Grounding clamp	3 - Grounding cable 4 - Power cable 5 - Potential free contact cable (if not used, install the plug provided)	
Clamp material:	Stainless steel AISI 304.		
Clamp dimensions:	50x33x140mm		
Maximum clamp opening:	15mm		
Clamp operating temperature:	-20°C to +70°C		

ECS-RF-FIBC MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

Hazardous Area Zone 1/21



CLP-CODE MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

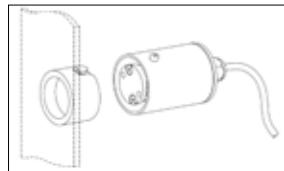
ZONES 1, 2 (gas) & 21, 22 (dust)



The CLP-CODE device is part of the ECS for earthing connections of production machinery (dispensers, grinding mills, etc.).

Thanks to the mechanical coding, which makes it unique in this field of application, this equipment is able to detect if the connection to earth is obtained with a resistance to earth less or equal to 10 Ω.

The device is equipped with 2 LEDs (green and red) installed directly on board.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Installed in:	Cable lenght:	Item No.:
CLP-CODE - ECS-RF-DIN - 5	Safe area	5 m	6D0903
CLP-CODE - ECS-RF-DIN - 10	Safe area	10 m	6D0904
CLP-CODE - ECS-RF - 5	Hazardous area	5 m	6D0905
CLP-CODE - ECS-RF - 10	Hazardous area	10 m	6D0906

The ECS-RF-DIN device provides n.1 channel signal conditioning for earth connection of process equipment (IBC, drums, roadtankers, etc.). The system detects in real-time if the connection to earth is obtained with a resistance less or equal to 10 Ω.

The device is equipped with SPST NO contact with a safety integrity level up to SIL2, according to EN 50495, and high-efficiency redundant green and red LEDs for earth connection monitoring.

- N.1 x SPDT contact for clamp state remote monitoring.
- N.1 x N.O. contact for safety applications up to SIL2.
- N.2 x intrinsically safe outputs for the clamp's remote LEDs.

TECHNICAL SPECIFICATIONS ECS-RF-DIN (SAFE AREA)

Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +70°C
Clamp input Ex i:	Uo=7.2V, Io=345mA, Po=621mW, Co(IIC)=13.5μF, Lo(IIC)=149μH, Lo/Ro=860 μH/Ω
Output LED Ex i:	Uo=7.2V, Io=23mA, Po=42mW, Co(IIC)=13.5μF, Lo(IIC)=34μH, Lo/Ro=860 μH/Ω
Power supply:	230 VAC ± 5%
Standard cable:	Extension cable CAB-ECS6C1.0
R threshold:	10 Ω
Dimensions:	

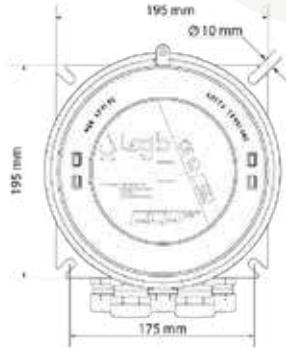
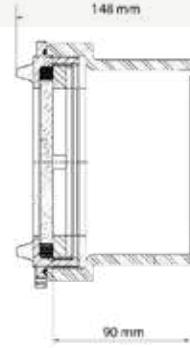
CLP-CODE MONITORING SYSTEM

Zones 1, 2, 21, 22

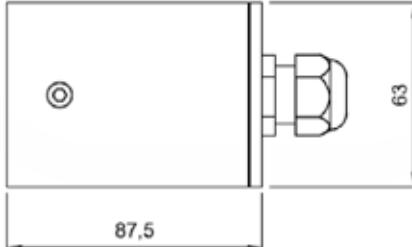
Full catalogue available on our website: www.inpratex.com

ECS-R series electronic equipment provides earth connection of process equipment (road tankers, drums, IBCs, etc..) with real-time ground connection monitoring. The system monitors that connection to earth is obtained with a resistance lower than 10Ω , according to the ATEX Directive 2014/34/EU.

The device can be equipped with two Ex i outputs for remote LEDs installed directly on the clamp (consensus green LED and non consensus red LED).

TECHNICAL SPECIFICATIONS ECS-RF (HAZARDOUS AREA)		
Marking:	 II 2(1)G Ex d[ia Ga] IIC T6 Gb  II 2(1)D Ex tb[ia Da] IIIC T85°C Db	
Certificate:	EU-Type Examination Certificate	
Operating temperature:	-20°C to +55°C	
Clamp input Ex i:	$U_0=7.2V$, $I_0=345mA$, $P_0=621mW$, $C_0(IIC)=13.5\mu F$, $L_0(IIC)=149\mu H$, $L_0/R_0=860\mu H/\Omega$	
Output LED Ex i:	$U_0=7.2V$, $I_0=23mA$, $P_0=42mW$, $C_0(IIC)=13.5\mu F$, $L_0(IIC)=34\mu H$, $L_0/R_0=860\mu H/\Omega$	
Power supply:	230 VAC $\pm 5\%$	
Standard cable:	6-wire spiral cable, according to IEC 60332-1-2	
R threshold:	10Ω	
Potential free contact:	COM/NC/NO 	
Cable entries:	5xM20x1,5 1 - Grounding clamp 2 - Grounding cable	3 - Redundancy ground wire 4 - Power cable 5 - Potential free contact cable (if not used, install the plug provided)
Dimensions:	 	

The CLP-CODE meets the requirements for application in ATEX Zone 1/21, connected to the monitoring systems of the ECS range.

TECHNICAL SPECIFICATIONS CLP-CODE CLAMP		
Area of use:	Up to ATEX Zone 1/21	
Material:	Stainless steel AISI304	
Operating temperature:	-20°C to +50°C	
Contact:	Double steel alloy tip with carbonitriding treatment	
Standard cable:	Spiral cable, 5/10m long, wire section 0.5 mm^2 , Ø8 mm	
R threshold:	10Ω	
Dimensions:	 	

EX-SYMEGA-VO EARTHING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

4

Ex

CONTROL & CONNECTION EQUIPMENT



The earthing system Ex-SYMEGA-VO serves to avoid electrostatic charges in hazardous areas and ensures a secure connection of stationary and mobile, metallic or conductive and dissipative objects and a good earth.

This ATEX earthing system visualizes the presence of a good earth via green LED and, if connected, can enable or interrupt the subsequent process via potential-free changeover contacts.

The earthing system Ex-SYMEGA-VO can operate in two different variations:

Variation 1: Low-resistance measurement of 0...1 kOhm or 103 Ohm.
 Variation 2: High-resistance measurement of 0...3 MOhm or 3x106 Ohm.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Item No.:
Ex-SYMEGA-VO Earthing System	6D0601
5m Spiral Cable, Blue, 2 Core	6D0602
PROFI-line 123-2 Earthing Clamp	6D0603

TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Operating voltage:	AC 85V to 264V DC 8V to 28V
Maximum voltage:	AC 275V DC 375V
Power consumption:	< 1W
Resistance Measurements:	Low: 0...1 kOhm or 103Ohm High: 0...3 MOhm or 3x106Ohm
2 Potential-free changeover contacts:	1NO + 1NC
Switching current per changeover contact (8V to 28V DC):	max. 2A
Switching current per changeover contact (85V to 264V AC):	max. 6A
Housing:	Aluminium
Housing dimensions:	220x122x90 mm
Housing seal:	EPDM (Silicone free)
Operating temperature:	-20°C to +40°C
Ingress protection:	IP64
Cable entries:	4 Plastic cable gland (non armoured cable). External diameter (5 - 9 mm)

TERRALIGHT GROUND MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

The TERRALIGHT ground monitoring system is designed for use when filling or discharging potentially explosive materials. The system effectively eliminates any static charges. This system monitors the connection to the bonding conductor and the contact across the ground clamps. TERRALIGHT is designed for connecting one ground clamp or a cable rewinder fitted with ground clamp.



Option 1:
TERRA-L Ground Monitoring System
601KR/DW Cable Rewinder
70AG Earthing Clamp



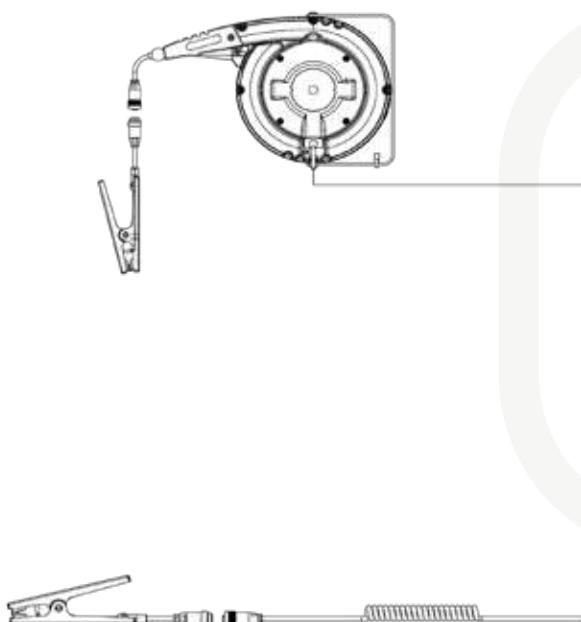
EU-Type Examination Certificate



Option 2:
TERRA-L Ground Monitoring System
5m Helix Cable KG/BSA, blue
70AG Earthing Clamp



ITEM REFERENCES OPTION 1		ITEM REFERENCES OPTION 2	
Designation:	Item No.:	Designation:	Item No.:
TERRA-L Ground Monitoring System	6D0801	TERRA-L Ground Monitoring System	6D0801
601KR/DW Cable Rewinder	6D0812	5m Helix Cable KG/BSA, blue	6D0813
70AG Earthing Clamp	6D0821	70AG Earthing Clamp	6D0821

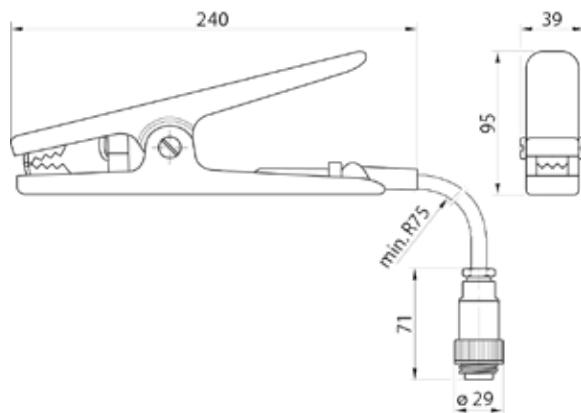


TERRALIGHT GROUND MONITORING SYSTEM

Zones 1, 2, 21, 22

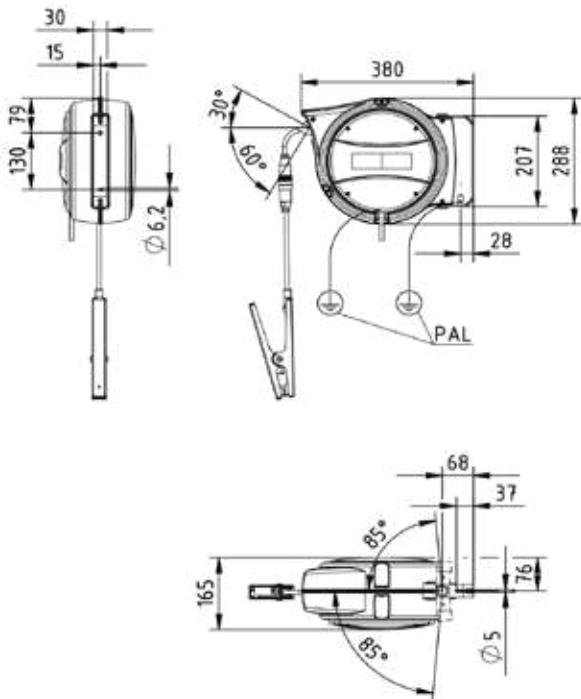
Full catalogue available on our website: www.inpratex.com

70AG CLAMP TECHNICAL SPECIFICATIONS	
Marking:	 II 2D Ex ia IIC T135°C Db, II 2G Ex ia IIC T6 Gb
Certificate:	EU-Type Examination Certificate
Clamp material:	Stainless steel
Operating temperature:	-20°C to +70°C
Ground cable: (color: light blue)	Oil and gasoline resistant control lead, 3 x 1.5 mm ² Temperature range -40...+90°C Connected 4-pin plug IP67
Dimensions:	See figure
Weight:	Approx. 0.6 kg



The ATEX cable rewinders of series 601KR/DW ensure that the ground cable is safely reeled back after use, protecting it from damage and dirt. These cable rewinders are made of impact-proof aluminum and are mounted with an assembly bracket.

All cable rewinders are designed for wall mounting and may be used in zones with potentially explosive atmospheres in connection with the ground monitoring system.



601KR/DW CABLE REWINDER FOR ACTIVE GROUNDING TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex ia IIC T6 Gb  II 2D Ex ia IIC T135°C Db
Certificate:	EU-Type Examination Certificate
Enclosure:	Aluminium with rolls and stopper
Rewind mechanism:	Automatic, Stopping device, On-Off function
Ingress protection:	IP42 according to EN 60529
Operating temperature:	-40°C to +70°C
Attachment:	Wall assembly via assembly bracket
Ground cable: (cable color: light blue)	12 m oil and gasoline resistant control lead, 3x1.5 mm ² Temperature range -40...+90°C Connected 4-pin socket IP67
Connecting lead:	2.5 m, connecting cable 3x1.5 mm ²
Dimensions:	See figure
Weight:	Approx. 5.7 kg with 12 m ground cable
Inductance:	Approx. 0.07 mH
Capacitance:	Approx. 1,6 nF

TERRALIGHT GROUND MONITORING SYSTEM

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

The controlled grounding principle used in the TERRALIGHT Ground Monitoring System ensures that static charges developing in potentially explosive atmospheres, e.g. during loading, discharging or refilling are safely avoided.

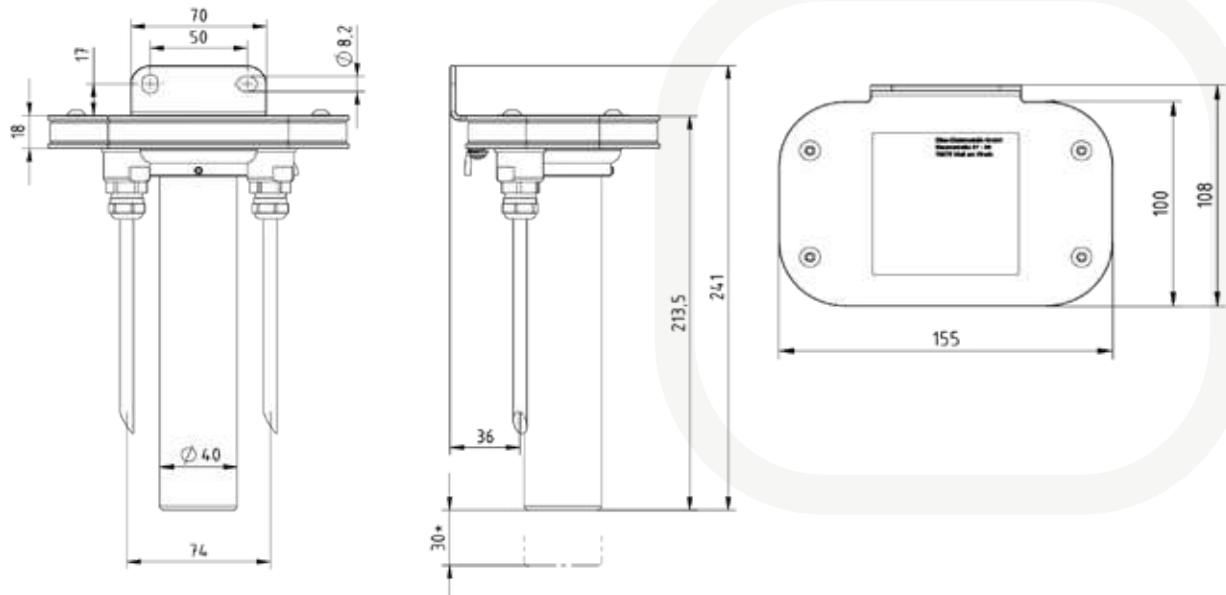
This means that the risk of ignition caused by uncontrolled static discharges is eliminated at source. Because the ground connection is monitored, there is no need for low-resistance ground connections or large conductor cross-sections.

The advantages of the TERRALIGHT ground monitoring system are:

- easy and fast assembly and installation
- power supply via batteries, no external power supply necessary
- Configuration of the LED display (flashing, frequency) to the application to optimize the battery life

TERRA-L TECHNICAL SPECIFICATIONS

Marking:	
Certificate:	EU-Type Examination Certificate
Supply voltage:	Supply via 3 x 1.5 V D cells. Yellow LEDs indicate a low battery voltage
Operating temperature:	-18°C to +50°C
Storage temperature:	-40°C to +80°C (without battery)
Ambient humidity:	Max. 80% r.h., non-dewing
Enclosure material:	Stainless steel with wall bracket
Ingress protection:	IP65 according to EN 60529
Dimensions:	240.5 x 155 x 108 mm
Weight:	1.75 kg
Measurement circuit:	Intrinsically safe according to EN 60079-11 Maximum voltage U_0 : 6.0 V DC Maximum current I_0 : 0.25 A Maximum output P_0 : 0.36 W Maximum permissible connected load capacity / inductance: C_0 : 1,49 μ F, L_0 : 630 μ H
Operating points:	ON <20 kOhm OFF >50 kOhm / $\pm 20\%$
Permissible types of battery :	D cells - Duracell Plus Power MN 1300 ENERGIZER MAX LR20 ENERGIZER LR20 ALKALINE POWER



TERRACOMPACT II TCO030

SAFE AREA

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

SAFE AREA



During filling or decanting processes involving solid or liquid materials in the Ex area, the Terracompact II TCO030 automatically identifies faulty or defective ground links in the installation. If the floating changeover contact is switched accordingly, it shuts off the process.

This device is provided for connecting to a ground clamp or a rewinding cable reel with ground clamp.

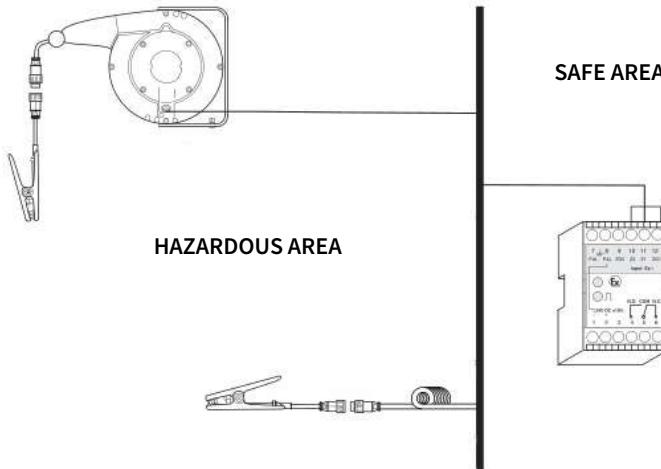
The Terracompact II is a standard housing for assembly on a DIN 46277 top-hat rail for installation in a control cabinet or a control room.



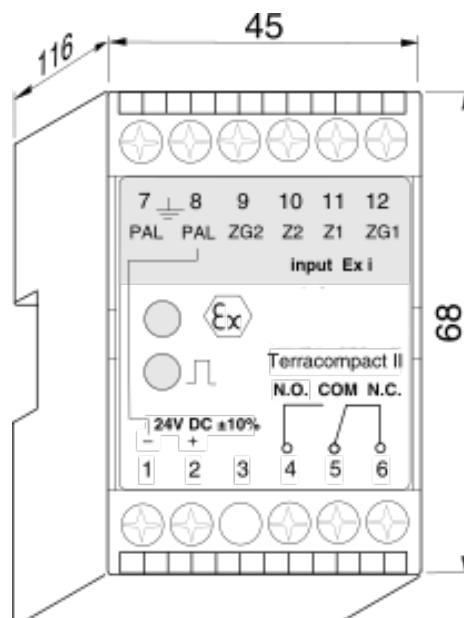
EU-Type Examination Certificate

The Terracompact II TCO030 must be mounted outside the hazardous area. Only the intrinsically safe circuit is allowed to lead into the hazardous area. The unit is preferably installed in the switchgear cabinet of a dry control room.

ITEM REFERENCES	
Designation:	Item No.:
	TERRACOMPACT II TCO030 6D0831
	601KR/DW12030BX Cable Rewinder 6D0814
	5m Grounding cord set blue cable KG/BSAB050 6D0815
	70AG Earthing Clamp 6D0821



TECHNICAL SPECIFICATIONS	
Marking:	
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +70°C
Ambient humidity:	Max. 70 % r.h., non-dewing
Supply voltage:	24 (21 ... 31) V DC Maximum voltage for safety reasons: $U_m = 250$ V
Power input:	I_B typical 80 mA
Design:	Standard enclosure for installation on standard rail NS35
Ingress protection:	Enclosure IP40, (terminals IP10)
Dimensions:	68 x 45 x 116 mm
Weight:	Approx. 200 g
Assembly:	Assembly on standard rail NS35, path height 15 mm; outside explosion hazard area
Connection:	Screw-type terminals, connecting diameter 1,5 mm ²
Indicator signal:	Load capacity: $U \leq 230$ V, $I \leq 5$ A, $P \leq 100$ VA Maximum voltage for safety reasons: $U_m = 250$ V Switching action signalled via green/red LED in front plate



TERRABOX TCB030 GROUNDING SYSTEM - STANDARD

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)



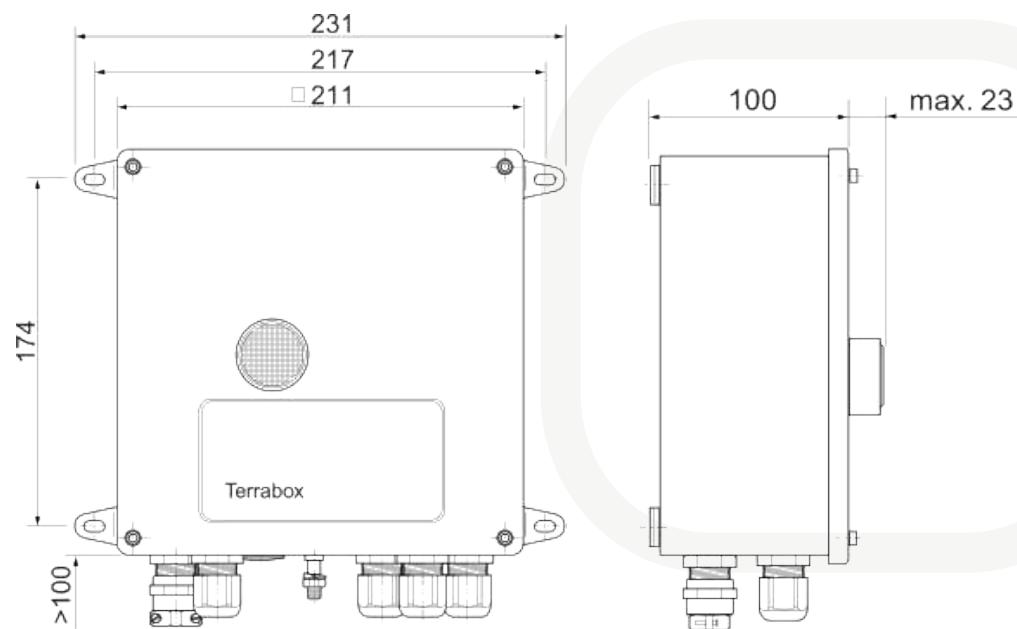
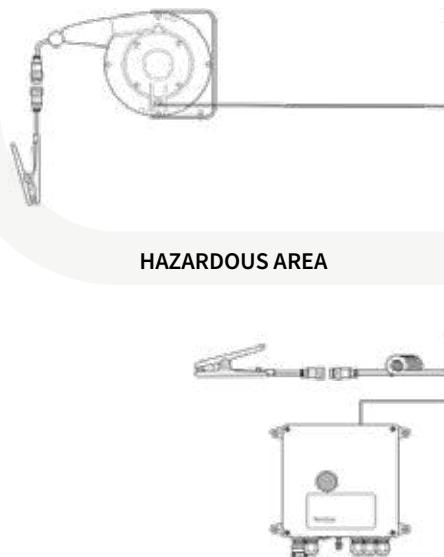
Terrabox TCB030 is designed for direct installation in explosion hazard areas and for connecting a clamp. The dual-color indicator lamp signals the correct grounding state. The integrated contacts allow an enable circuit to be implemented.

The controlled grounding principle used in the Terrabox TCB030 system ensures that static charges developing in potentially explosive atmospheres (e.g. during loading, discharging or refilling) are safely avoided. This means that the risk of ignition caused by uncontrolled static discharges is eliminated at source.



EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	TERRABOX TCB030 / S2	6D0841
	601KR/DW12030BX Cable Rewinder	6D0814
	5m Grounding cord set blue cable KG/BSAB050	6D0815
	70AG Earthing Clamp	6D0821



TERRABOX TCB030 GROUNDING SYSTEM - STANDARD

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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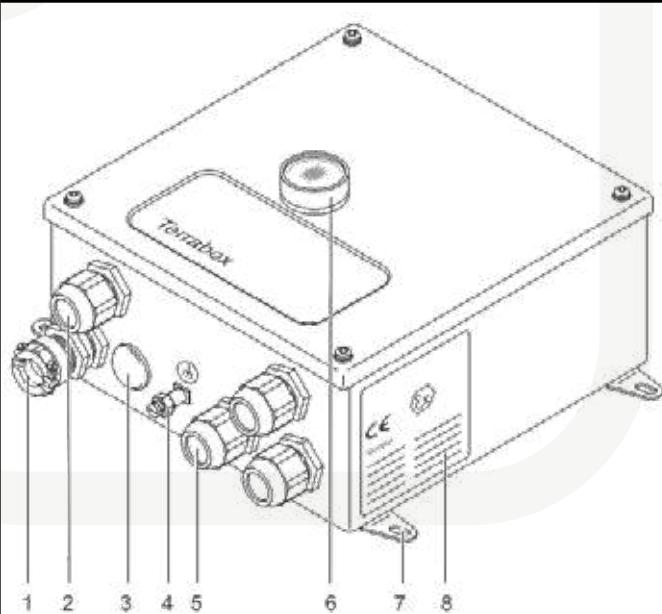


CONTROL & CONNECTION EQUIPMENT

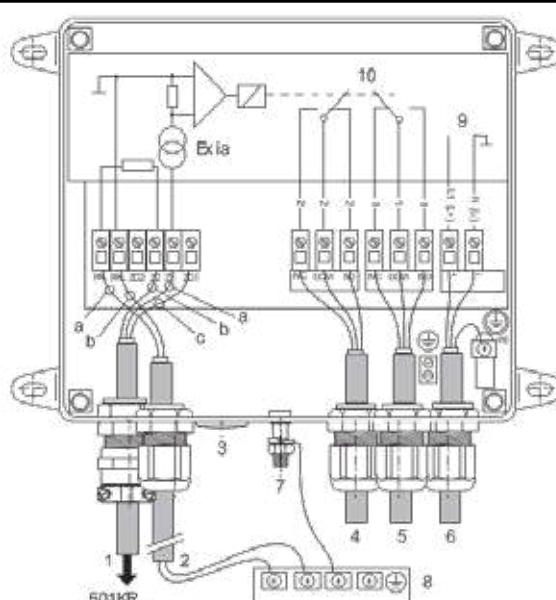
TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex eb mb [ia Ga] IIC T5 Gb II 2(1)D Ex tb [ia Da] IIIC T100°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +70°C
Ambient humidity:	Max. 80 % r.h., non-dewing.
Supply voltage:	230 (210...250) V AC 50/60 Hz, 50 mA. Maximum safety voltage U_m = 250 V
Design:	Sheet metal steel with wall bracket, enameled
Ingress protection:	IP64 according to EN 60529
Dimensions:	211 x 211 x 123 mm
Weight:	Approx. 5 kg
Indicator signal: (Contact circuit)	2 floating changeover contacts Load capacity: $U \leq 230$ V; $I \leq 5$ A; $P \leq 100$ VA Maximum safety voltage U_m = 250 V, Switching signaled by dual color indicator light red/green
Measurement circuit:	Intrinsically safe, EN 60079-11 Maximum voltage U_o : 35 V Maximum current I_o : 1.5 mA Maximum output P_o : 13 mW Maximum permissible connected load Capacity / inductance: C_o/L_o : 37nF/50mH or 45nF/2mH, linear characteristic
Operating points:	Standard TCB030/S_: ON <20 kOhm, OFF >50 kOhm / ±20%

VIEW OF APPLIANCE



CONNECTION EXAMPLE (601KR + 70AG)



1	Cable gland with kink guard (Ex)	1	Ground clamp supply lead
2	Cable inlet	2	PAL connection (2 x 1,5mm ²)
3	Blanking plug	3	Blanking plug
4	Ground terminal	4	Signal contact
5	Cable inlet (3x)	5	Signal contact
6	Indicator lamp, dual color (green/red)	6	Supply voltage lead
7	Mounting bracket (4x)	7	Ground terminal
8	Type plate	8	Equipotential lead
		9	Supply voltage 230 VAC, see type plate
		10	Contact position diagram: no enabling, indicator lamp red core colors - a: blue / b: brown / c: green/yellow

TERRABOX TCB030/B2 GROUNDING SYSTEM - BIG BAG

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

Terrabox TCB030/B2 is designed for direct installation in explosion hazard areas and for connecting an active TERRA-C/B grounding clamp for Big Bag. The dual-color indicator lamp signals the correct grounding state, and the integrated contacts allow an enable circuit to be implemented.

The active TERRA-C/B grounding clamps are used together with the Terrabox TCB030/B2 ground monitoring system to establish and monitor grounding connections. These devices are used when decanting or filling potentially explosive substances. Existing electrostatic changes are discharged effectively in a controlled manner.

The TERRA-C/B active grounding clamps feature extremely hard and sharp collet jaws. The jaws also feature a continuously high clamping force, ensuring a secure connection to the equipotential bonding at all times.

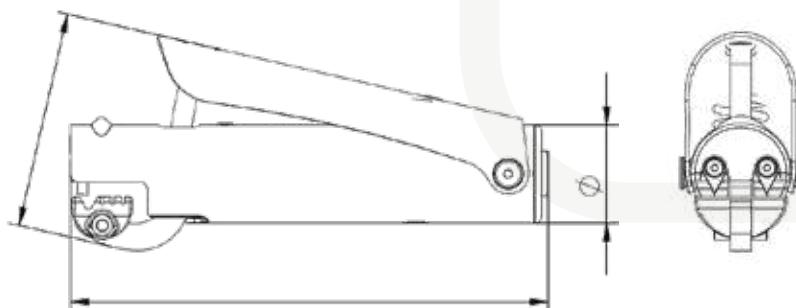


EU-Type Examination Certificate

ITEM REFERENCES		
Designation:		Item No.:
	TERRABOX TCB030 / B2	6D0851
	5m Grounding cord set blue cable KG/BSAB050	6D0815
	TERRA-C / BOSBX Grounding Clamp	6D0822

TERRA-C / B CLAMP TECHNICAL SPECIFICATIONS

Marking:	 
Certificate:	EU-Type Examination Certificate
Operating temperature:	-40°C to +70°C
Ambient humidity:	Max. 80% rel. humidity, non-condensing
Clamp material:	Stainless steel, PP
Connection:	With integrated 4-poles coupling plug
Ingress protection:	IP67 according to EN 60529
Dimensions:	185 x 38 x 84 mm
Weight:	0,35 kg



TERRABOX TCB030/B2 GROUNDING SYSTEM - BIG BAG

Zones 1, 2, 21, 22

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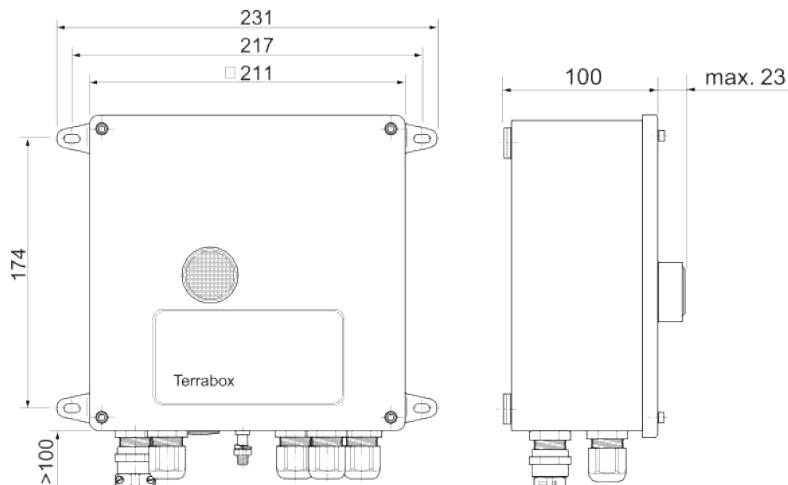
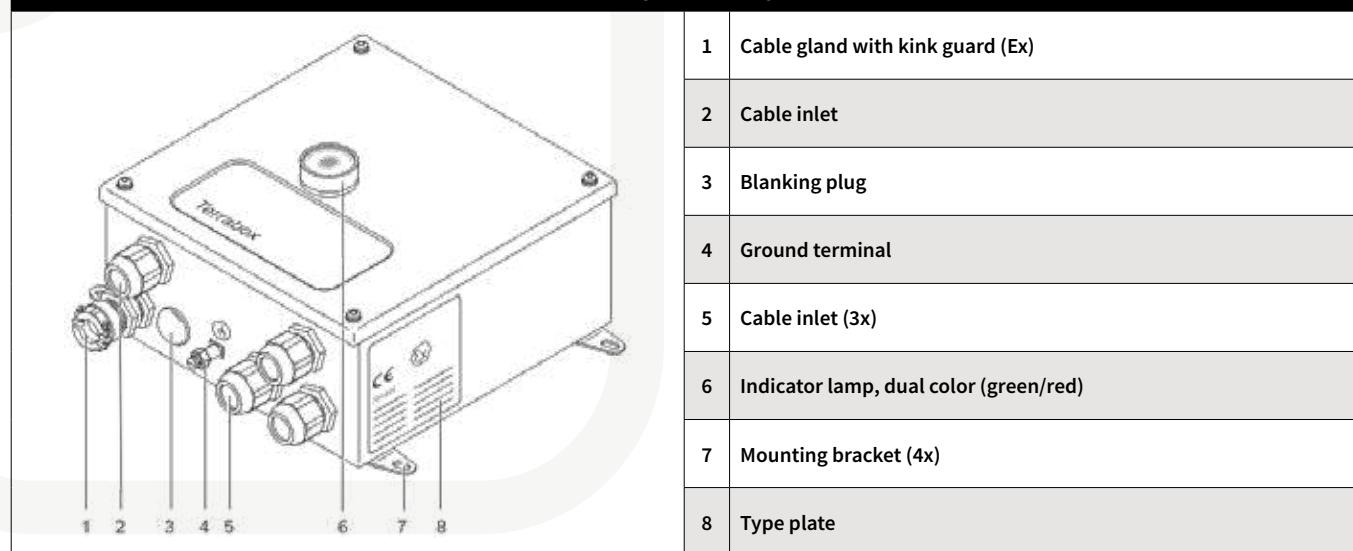


CONTROL & CONNECTION EQUIPMENT

TERRABOX TCB030 / B2 TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex eb mb [ia Ga] IIC T5 Gb II 2(1)D Ex tb [ia Da] IIIC T100°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +70°C
Ambient humidity:	Max. 70 % r.h., non-dewing.
Supply voltage:	230 (210...250) V AC 50/60 Hz, 50 mA. Maximum safety voltage U_m = 250 V
Design:	Sheet metal steel with wall bracket, enameled
Ingress protection:	IP64 according to EN 60529
Dimensions:	211 x 211 x 123 mm
Weight:	Approx. 5 kg
Indicator signal: (Contact circuit)	2 floating changeover contacts Load capacity: $U \leq 230$ V; $I \leq 5$ A; $P \leq 100$ VA Maximum safety voltage U_m = 250 V, Switching signaled by dual color indicator light red/green
Measurement circuit:	Intrinsically safe, EN 60079-11 Maximum voltage U_o : 35 V Maximum current I_o : 1.5 mA Maximum output P_o : 13 mW Maximum permissible connected load Capacity / inductance: C_o/L_o : 37nF/50mH or 45nF/2mH, linear characteristic
Operating points:	BIG BAG TCB030/B_: ON <50 MΩ, OFF >100 MΩ / ±20%

VIEW OF APPLIANCE



EARTH TERMINAL MSK / ESK

Full catalogue available on our website: www.inpratex.com

ATEX EARTHING SYSTEMS



Save ground connection for machines and devices. Terminals in nickel-plated brass and stainless steel.

Electrical components with metal body must have per standard 60079-0 a connection point of minimum 4 mm² to connect them with potential earth. These Earth Terminal fulfill these requirements in accordance to the standard EN 60079-0 for ground and bonding conductors.

Also the requirements for terminals as per standard EN 60999-1 are kept.

By simply pressing the terminal in a prepared blind hole as per drawing below, the earth terminals supplies a longstanding ground and bonding connection for 1.5 mm² up to 6mm².

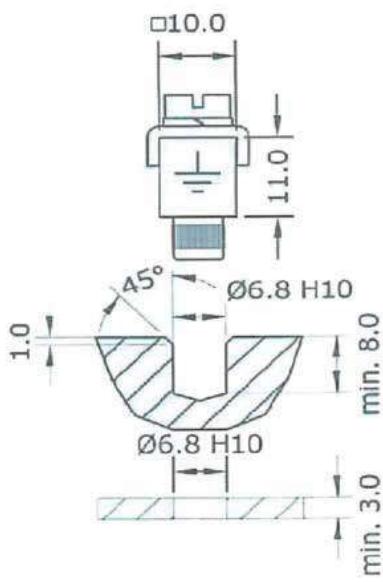
ITEM REFERENCES

Designation:	Material:	Item No.:
MSK	Nickel plated brass	6E0101
ESK	Stainless steel	6E0102

TECHNICAL SPECIFICATIONS

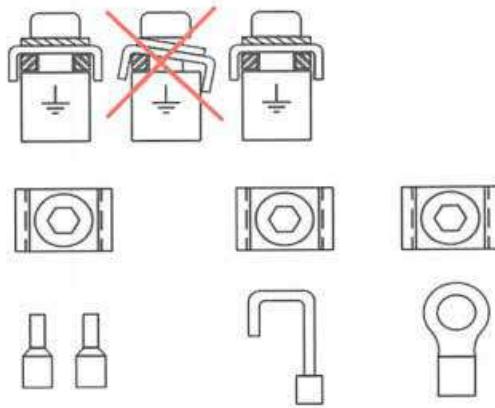
Certificate:	Declaration of conformity acc. to EN 60999-1 / EN 60079-0		
Base:	Nickel plated brass (MSK) or Stainless steel (ESK)		
Clamp:	Stainless steel		
Screw:	M5 Stainless steel		
Washer:	Stainless steel		
Cross connection:	Rigid / Stranded / Unprepared	With sleeve: 1,5 ... 4 mm ²	With cable lug: 1,5 ... 6 mm ²
Tightening torque:	2,2 ... 3,0 Nm		

Drawing



Assembling instruction

First the metal body must be predrilled with a blind hole D=6.8 mm and a minimum depth of 8 mm. Flat material must have a minimum thickness of 3 mm. After that, press the body of the earth terminal (without clamp, screw and washer) completely plumb in the blank hole (do not hit them in). Finally complete the earth terminal with clamp, washer and screw. By using two wires, they must have the same cross section.



ATEX EARTHING SYSTEMS



Save ground connection for machines and devices. Terminals in nickel-plated brass and stainless steel.

Electrical components with metal body must have per standard 60079-0 a connection point of minimum 4 mm² to connect them with potential earth. These Earth Terminal fulfill these requirements in accordance to the standard EN 60079-0 for ground and bonding conductors.

Also the requirements for terminals as per standard EN 60999-1 are kept.

By simply pressing the terminal in a prepared blind hole as per drawing below, the earth terminals supplies a longstanding ground and bonding connection for 4 mm² up to 16mm².

ITEM REFERENCES		
Designation:	Material:	Item No.:
MSG	Nickel plated brass	6E0103
ESG	Stainless steel	6E0104

TECHNICAL SPECIFICATIONS		
Certificate:	Declaration of conformity acc. to EN 60999-1 / EN 60079-0	
Base:	Nickel plated brass (MSG) or Stainless steel (ESG)	
Clamp:	Stainless steel	
Screw:	M5 Stainless steel	
Washer:	Stainless steel	
Cross connection:	Rigid / Stranded / Unprepared	With sleeve: 4 ... 16 mm ² With cable lug: 4 ... 16 mm ²
Tightening torque:	2,2 ... 3,0 Nm	

Drawing	Assembling instruction
	<p>First the metal body must be predrilled with a blind hole D=8.8 mm and a minimum depth of 10 mm. Flat material must have a minimum thickness of 3 mm. After that, press the body of the earth terminal (without clamp, screw and washer) completely plumb in the blank hole (do not hit them in). Finally complete the earth terminal with clamp, washer and screw. By using two wires, they must have the same cross section.</p>

GROUND DISTRIBUTION BLOCKS EVK / EVG

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ATEX EARTHING SYSTEMS



These ground distribution blocks are used on machinery and equipment as a central grounding point.

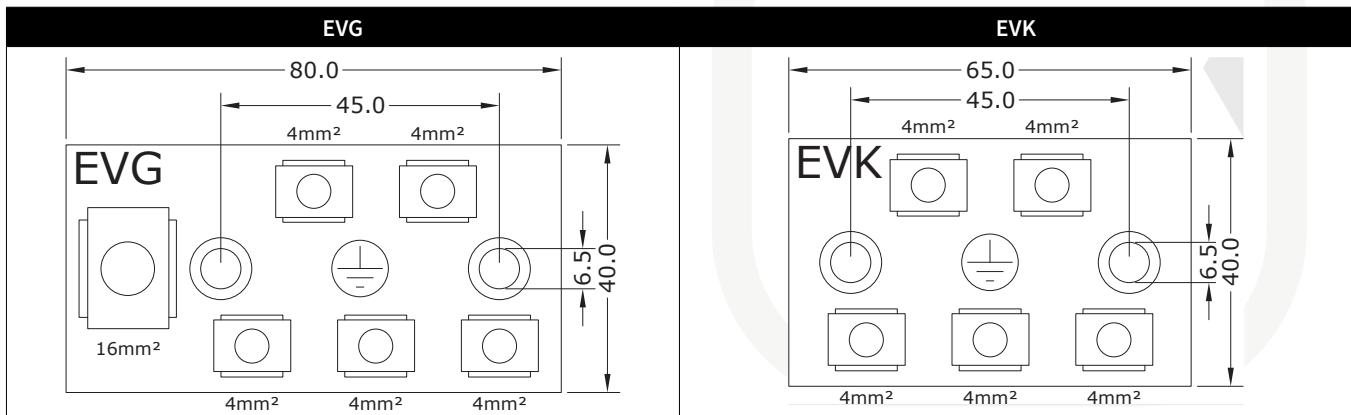
Available in two sizes:

- Up to 2 single cores with 16mm² and a maximum of 10 single cores up to 4 mm² can be connected to the EVG distribution block.
- At the EVK ground distribution block up to 10 single wires up to 4mm².

These ground distribution blocks are made of corrosion-resistant nickel-plated brass and they are rated according to EN60079-0 and EN60999-1 for safe use in potentially explosive atmospheres.

ITEM REFERENCES		
Designation:	Dimensions:	Item No.:
EVG	80x40x42 mm	6E0105
EVK	65x40x32 mm	6E0106

TECHNICAL SPECIFICATIONS	
Certificate:	Declaration of conformity acc. to EN 60999-1 / EN 60079-0
Operating temperature:	-50°C to +100°C
Material:	Nickel plated brass
EVG:	2x16 mm ² + 10x4 mm ²
EVK	10x4 mm ²





NOTES

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The purchaser accepts our General Conditions of Sale at the time of receipt of our confirmation and/or the acceptance of the ordered goods or services.





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