

KEY-LOCK SAFETY SWITCHES WITH POSITIVE OPENING

Zones 1, 2, 21, 22

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

4



CONTROL & CONNECTION EQUIPMENT

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:	 II 2G Ex d IIC T6/T5 Gb  II 2D Ex tb IIIC T85°C/T100°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Housing:	Aluminium light alloy. External epoxy 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 AV
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)

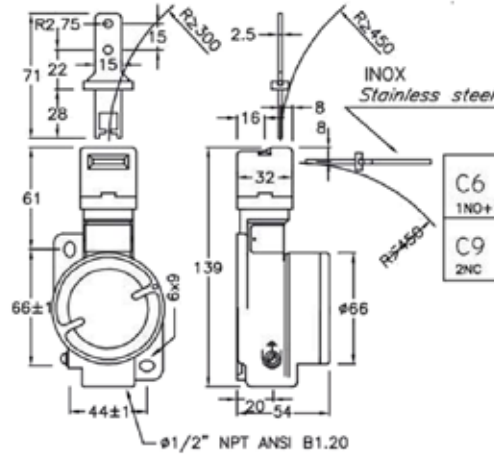
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Contact blocks	Item N°.	Travel diagram
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With Key

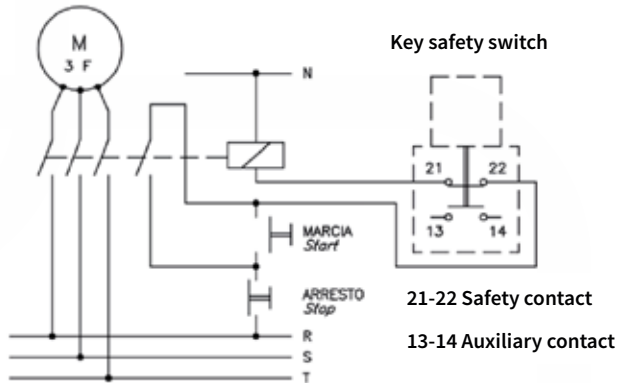


C6		PS 693N	
1NO+1NC			
C9		PS 993N	
2NC			

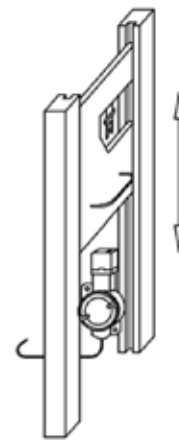
Legend

Positive opening

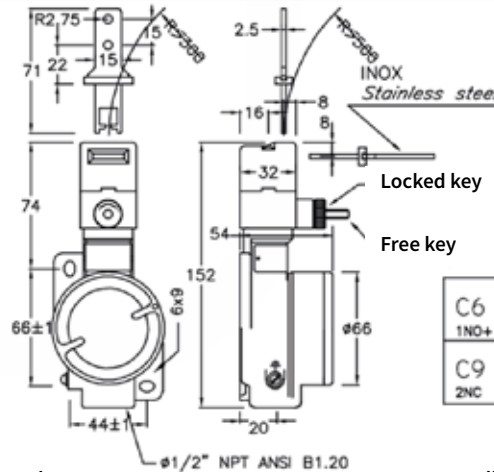
Wiring example



Installation example



With Key Manual Mechanical Delay

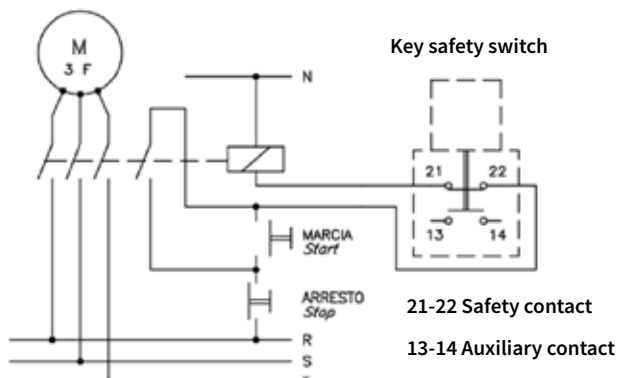


C6		PS 6R2N	
1NO+1NC			
C9		PS 9R2N	
2NC			

Legend

Positive opening

Wiring example



Installation example

