

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:	Ex II 2G Ex d e IIC T6 Gb Ex 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

						
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	Conveyor belt shift monitoring	
					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”						

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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 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

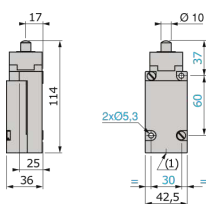
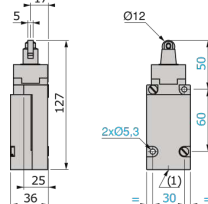
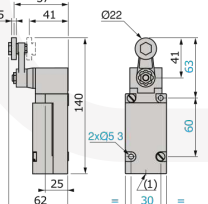
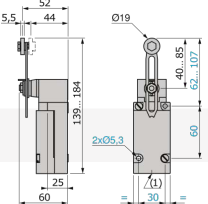
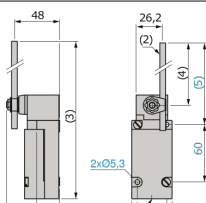
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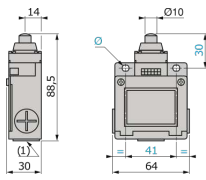
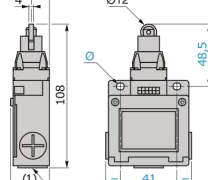
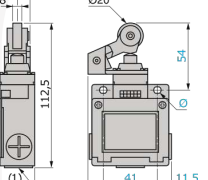
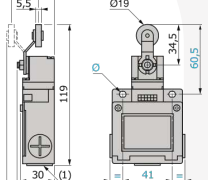
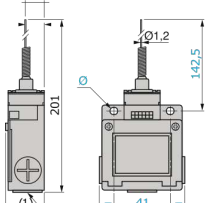
COMPACT RANGE - FIXING DISTANCE 30 x 60 mm

						
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
			
	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		

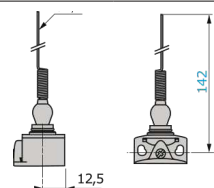
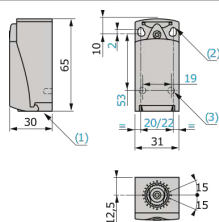
XCKWM - CLASSIC RANGE

XCKWM2110H29	XCKWM2102H29	XCKWM2121H29	XCKWM2115H29
			
	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		

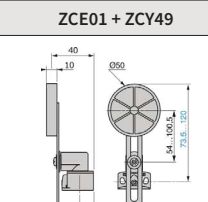
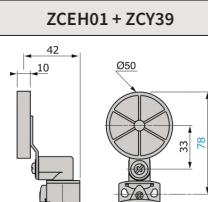
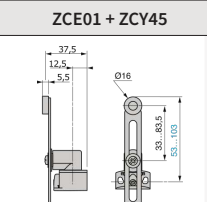
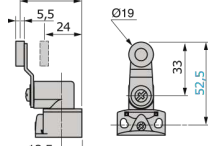
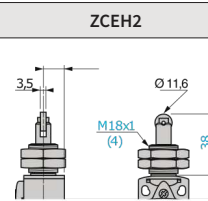
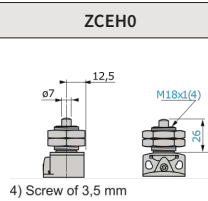
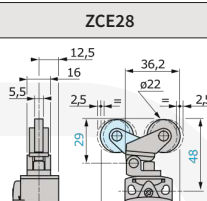
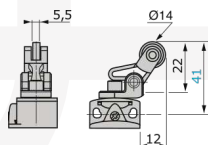
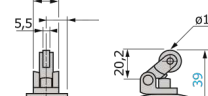
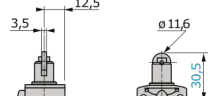
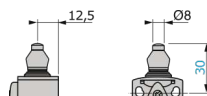
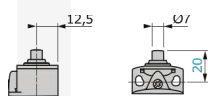
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CONTROL & CONNECTION EQUIPMENT

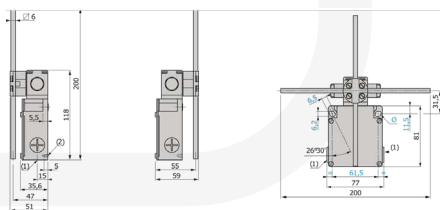
ZCE06



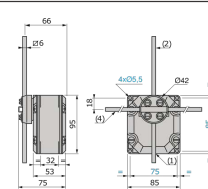
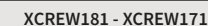
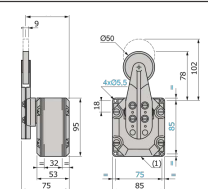
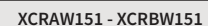
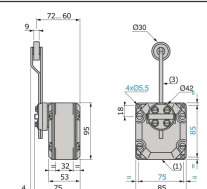
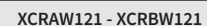
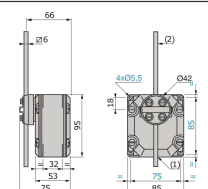
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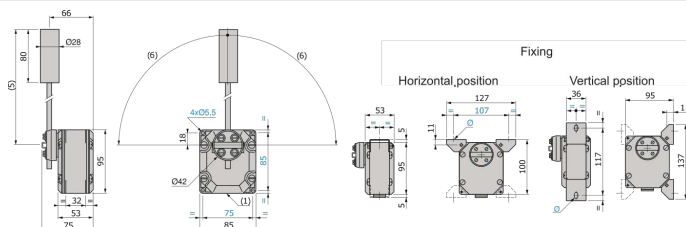
XCKWMR54D1H29 / XCKWMR54D2H29



- XCRAW111 - XCRBW111



XCRTW115 / XCRTW215



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