



## Main

Range of product	Preventa Safety detection
Product or component type	Safety switch
Component name	XCSE
Design	Rectangular
Material	Metal
Head type	Key operated turret head
Contacts type and composition	2 NC + 1 NO
Contact operation	Slow-break, break before make
Solenoid contacts type and composition	2 NC (slow-break, simultaneous)
Cable entry	2 entries tapped for 1/2" NPT
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
[Us] Solenoid Rated Supply voltage	24 V - 20...10 %
Electrical connection	Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end
Number of poles	3
Locking options description	With interlocking, locking by solenoid
Local signalling	2 LEDs (green or orange)guard open/guard closed and locked:
Signalling circuit voltage	24/48 V (voltage limits: 20...52 V)

## Complementary

Positive opening	With NC contact
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
Load factor	1
Power consumption in VA	10 VA inrush 10 VA sealed
Signalling circuit type	AC/DC
Signalling circuit consumption	7 mA
Mechanical durability	1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
[Ie] rated operational current	0.55 A at 125 V, DC-13, Q300 conforming to EN/IEC 60947-5-1

0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1  
 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1  
 1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1

[I <sub>th</sub> ] conventional enclosed thermal current	6 A
[U <sub>i</sub> ] rated insulation voltage	50 V conforming to EN/IEC 60947-1 for signalling circuit
[U <sub>imp</sub> ] rated impulse withstand voltage	EN/IEC 60947-5-1 6 kV
Protection type	Overvoltage protection for signalling circuit
Short-circuit protection	10 A cartridge fuse type gG (gl)
Actuator forcible withdrawal r <sub>tc</sub>	2000 N
Minimum actuator force for extraction	20 N
Maximum operating rate	10 cyc/mn for maximum durability
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508
Safety reliability data	B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear
Body material	Zamak
Head material	Zamak
Depth	44 mm
Height	146 mm
Width	98 mm
Product weight	1.14 kg

## Environment

Standards	UL 508 EN 1088/ISO 14119 EN/ISO 12100 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60204-1
Product certifications	CSA UL
Protective treatment	TC
Ambient air temperature for operation	-25...40 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn for 11 ms conforming to IEC 60068-2-27
Electrical shock protection class	Class I conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1

## Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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