

# XCSLE353531M3

plastic key operated solenoid switch XCSLE -  
2NC+4NO - slow - M23 connect. - 24V



## Main

Range of product	Preventa Safety detection
Product or component type	Safety switch
Component name	XCSLE
Design	Slim
Material	Plastic
Head type	Key operated turret head
Contacts type and composition	1 NC + 2 NO
Contact operation	Slow-break, break before make
Solenoid contacts type and composition	1 NC + 2 NO (slow-break, break before make)
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
[Us] rated supply voltage	24 V (- 15...10 %)
Cable outer diameter	7...13 mm
Electrical connection	Male connector M23 19 pins
Number of poles	3
Locking options description	With interlocking, locking by solenoid
Local signalling	1 LED orange (actuator withdrawn) 1 LED green (actuator inserted and locked)
Signalling circuit voltage	24 V

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## Complementary

Positive opening	With NC contact
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
Load factor	1
Signalling circuit type	AC/DC
Mechanical durability	1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
[Ie] rated operational current	1.5 A at 24 V 0.22 A at 24 V
[Ithe] conventional enclosed thermal current	4 A
Maximum load current	<= 15 A
[Ui] rated insulation voltage	50 V conforming to CSA C22.2 No 14 60 V (degree of pollution: 3) conforming to EN/IEC 60947-1 50 V conforming to UL 508
[Uimp] rated impulse withstand voltage	0.8 kV conforming to EN/IEC 60947-5-1
Minimum switching current	10 mA at 20 °C
Minimum switching voltage	17 V
Short circuit protection	4 A cartridge fuse type gG (gl) 6 A type fast blow
Actutr forcible withdrawal rtc	<= 1400 N
Actuator force for extraction	>= 20 N
Resistance to mechanical impact	1.2 J against the partition 4.9 J without partition

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 conforming to EN/IEC 61508
Safety reliability data	B10d = 5500000 (value given for a life time of 20 years limited by mechanical or contact wear)
Body material	PA (polyamide)
Head material	PA (polyamide)
Depth	51 mm
Height	225 mm
Width	44 mm
Product weight	0.53 kg

## Environment

Standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/IEC 62061 EN/ISO 13849-1 UL 508 CSA C22.2 No 14
Product certifications	CSA TÜV UL
Protective treatment	TC
Ambient air temperature for operation	-25...60 °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 60536
IP degree of protection	IP65 IP65 conforming to EN/IEC 60529 and EN/IEC 60947-5-1

## Contractual warranty

Warranty period	18 months
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