

# XCSLF252531M2

metal key operated solenoid switch XCSLF -  
2NC+2NO - slow - M23 connector - 24V



## Main

Range of product	Preventa Safety detection
Product or component type	Safety switch
Component name	XCSLF
Design	Slim
Material	Metal
Head type	Key operated turret head
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break, break before make
Solenoid contacts type and composition	1 NC + 1 NO (slow-break, break before make)
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
[Us]&nbsp;solenoid&nbsp;rate&nbsp;supply voltage	24 V
Cable outer diameter	7...13 mm
Electrical connection	Male connector M23, 16 pins
Number of poles	2
Locking options description	With interlocking, locking by solenoid
Local signalling	1 LED (orange) for actuator withdrawn 1 LED (green) for actuator inserted and locked
Signalling circuit voltage	24 V



## 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, AC-15 conforming to EN/IEC 60947-5-1 0.22 A at 24 V, DC-13 conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	4 A
Maximum load current	≤ 15 A
[Ui] rated insulation voltage	60 V (pollution degree 3) conforming to EN/IEC 60947-1 50 V conforming to UL 508 50 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	0.8 kV 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
Maximum actuator forcible withdrawal r <sub>tc</sub>	3000 N
Minimum actuator force for extraction	20 N
Resistance to mechanical impact	9.6 J against the partition 6.4 J without partition
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 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	Zamak
Head material	Zamak
Depth	51 mm
Height	225 mm
Width	44 mm
Net weight	1.1 kg




## Environment

Standards	CSA C22.2 No 14 EN/IEC 62061 EN/IEC 60947-5-1 EN/IEC 60204-1 EN/ISO 13849-1 EN 1088/ISO 14119 UL 508
Product certifications	UL CSA TÜV
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 III conforming to EN/IEC 61140
IP degree of protection	IP65 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 IP65

## Packing Units

Package 1 Weight	1.336 kg
Package 1 Height	0.580 dm
Package 1 width	0.720 dm
Package 1 Length	2.460 dm

## Offer Sustainability

REACH Regulation	<a href="#"> REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#"> EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#"> Yes</a>

## Contractual warranty

Warranty	18 months
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