Product data sheet
Characteristics

XCSLF3837512
metal safety switch XCSLF - 5 NC+1 NO- slow break - 3 entries tapped M20 - 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	3 NC
Contact operation	Slow-break, simultaneous
Solenoid contacts type and composition	2 NC + 1 NO (slow-break, simultaneous)
Cable entry	3 entries tapped for M20 x 1.5
Electromagnet interlocking	Locking on energisation and unlocking on de-energisation of solenoid
[Us] solenoid rated supply voltage	24 5;10 %
Cable outer diameter	7…13 mm
Electrical connection	Spring terminal, clamping capacity: 1 x 1.5 mm² flexible or solid cable Spring terminal, clamping capacity: 2 x 0.5 mm² flexible cables with 13 mm bared ends
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Local signalling	1 LED (orange)actuator withdrawn: 1 LED (green)actuator inserted and locked: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

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	0.55 A at 24 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.75 A at 240 V, AC-15, C300 conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	4 A
Maximum load current	<= 15 A
[Ui] rated insulation voltage	300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 250 V (pollution degree 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	4 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Maximum actuator forcible withdrawal rtc	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	205 mm
Width	44 mm
Net weight	1.1 kg

Environment

Standards	EN/IEC 60204-1 EN 1088/ISO 14119 EN/IEC 62061 CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 EN/ISO 13849-1
Product certifications	TÜV UL CSA
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 61140
IP degree of protection	IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 IP67

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months