Product data sheet
Characteristics

XCSLF3737612
metal safety switch XCSLF - 4 NC+2 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	2 NC + 1 NO
Contact operation	Slow-break, break before make
Solenoid contacts type and composition	2 NC + 1 NO (slow-break, break before make)
Cable entry	3 entries tapped for M20 x 1.5
Electromagnet interlocking	By mushroom head push-button key release for escape release Locking on de-energisation and unlocking on energisation of solenoid
[Us] solenoid rated supply voltage	24 V -15...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Local signalling	1 LED (orange)actuator withdrawn: 1 LED (green)actuator inserted and locked: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	30000 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

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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	113 mm
Height	205 mm
Width	44 mm
Net weight	1.2 kg

Environment

Standards	UL 508 EN 1088/ISO 14119 EN/IEC 60947-5-1 EN/ISO 13849-1 CSA C22.2 No 14 EN/IEC 60204-1 EN/IEC 62061
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

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months