Product data sheet
Characteristics

XCSLF353541M3
metal key operated solenoid switch XCSLF - 2NC+4NO - 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 + 2 NO
Contacts 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 By mushroom head push-button turn to release for escape release
[Us] Solenoid 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Local signalling	1 LED green (actuator inserted and locked) 1 LED orange (actuator withdrawn)
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	0.22 A at 24 V utilisation category DC-13 conforming to EN/IEC 60947-5-1 1.5 A at 24 V utilisation category AC-15 conforming to EN/IEC 60947-5-1
[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 50 V conforming to UL 508 60 V (degree of pollution: 3) conforming to EN/IEC 60947-1
[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	6 A type fast blow 4 A cartridge fuse type gG (gl)
Actutr forcible withdrawal rtc	<= 3000 N
Actuator force for extraction	>= 20 N

Resistance to mechanical impact	6.4 J without partition 9.6 J against the partition
Operating rate	10 cyc/mn for maximum durability
Safety level	Can reach SIL 3 conforming to EN/IEC 61508 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1
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	225 mm
Width	44 mm
Product weight	1.1 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
Class of protection against electric shock	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

Period	18 months