

Product data sheet

XCSLF272731M2

Safety interlock XCSLF, metal, 4NC, slow break, M23 connector

Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Safety switch
Component name	XCSLF
Design	Slim
Sensor design	SLIM
ETIM classification	ETIM 9 - EC002593 - Position switch with guard locking
Head type	Key operated turret head
Material	Metal
Body material	Zamak
Head material	Zamak
Number of poles	2
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired conforming to ISO 13849-1, can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1, can reach SIL 3 conforming to IEC 61508
Safety reliability data	B10d = 5500000 value given for a life time of 20 years limited by mechanical or contact wear
Locking options description	With interlocking, locking by solenoid
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
Product certifications	CSA TÜV UL
Standards	CSA C22.2 No 14 EN 1088/ISO 14119 IEC 60204-1 IEC 60947-5-1 IEC 62061 ISO 13849-1 UL 508
Indivisible sale quantity	1

Complementary

Actuator forcible withdrawal rtc	3000 N
Actuator force for extraction	20 N
Mechanical durability	1000000 cycles
Minimum actuation speed	0.01 m/s

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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.
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Electrical connection	Male connector M23, 16 pins
Positive opening	With NC contact
Contacts type and composition	2 NC
Solenoid contacts type and composition	2 NC (slow-break, break before make)
Contact operation	Slow-break, break before make
Operating rate	10 cyc/mn for maximum durability
[Us] rated supply voltage	24 V - 15...10 %
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
Minimum switching voltage	17 V
[Uimp] rated impulse withstand voltage	0.8 kV conforming to IEC 60947-5-1
Minimum switching current	10 mA at 20 °C
[Ui] rated insulation voltage	60 V (pollution degree 3) conforming to IEC 60947-1, 50 V conforming to UL 508, 50 V conforming to CSA C22.2 No 14
Signalling circuit voltage	24 V
[Ie] rated operational current	1.5 A at 24 V, AC-15 conforming to IEC 60947-5-1, 0.22 A at 24 V, DC-13 conforming to IEC 60947-5-1
[Ithe] conventional enclosed thermal current	4 A
Electrical shock protection class	Class III conforming to IEC 61140
Short-circuit protection	4 A cartridge fuse type gG (gI), 6 A type fast blow
Local signalling	1 LED (orange) for actuator withdrawn, 1 LED (green) for actuator inserted and locked
Maximum load current	<= 15 A
Signalling circuit type	AC/DC
Width	44 mm
Depth	51 mm
Product weight	1.1 kg

Environment

Resistance to mechanical impact	9.6 J against the partition, 6.4 J without partition
IP degree of protection	IP65 conforming to EN/IEC 60529 and EN/IEC 60947-5-1
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...70 °C
Shock resistance	10 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	5 gn (f= 10-500 Hz) conforming to IEC 60068-2-6
Protective treatment	TC

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP),

	which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Warranty

Warranty	18 months

Packing Units

Country of origin	ID (Indonesia)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916047828
Package 1 height	5.7 cm
Package 1 width	23 cm
Package 1 length	7.5 cm
Package 1 weight	1.315 kg
Unit type of package 2	S02
Number of units in package 2	8
New Package 2 GTIN 14	13666916047825
Package 2 height	15 cm
Package 2 width	40 cm
Package 2 length	30 cm
Package 2 weight	62.6 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916047822
Package 3 height	5.8 cm
Package 3 width	24.6 cm
Package 3 length	7.2 cm
Package 3 weight	1.318 kg