

Product data sheet

XCSMP80L2

Safety switch XCSMP, plastic, 1NC+1NC+1NC, slow break, pre-cabled 2 m

Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Safety switch
Component name	XCSMP
Design	Miniature
Sensor design	Miniature
ETIM classification	ETIM 9 - EC002593 - Position switch with guard locking
Head type	Key operated fixed head
Material	Plastic
Body material	PA (polyamide)
Head material	PA (polyamide)
Number of poles	3
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 with the appropriate monitoring system and correctly wired conforming to IEC 61508
Safety reliability data	B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear
Locking options description	Without locking of actuator
Product certifications	CSA cUL UL
Standards	CSA C22.2 No 14 EN 1088/ISO 14119 IEC 60204-1 IEC 60947-5-1 ISO 12100 UL 508
Indivisible sale quantity	1

Complementary

Actuator force for extraction	8 N
Actuator forcible withdrawal rtc	8 N
Mechanical durability	1000000 cycles
Minimum actuation speed	0.05 m/s
Electrical connection	Pre-cabled

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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.
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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Cable length	2 m
Cable composition	6 x 0.5 mm²
Positive opening	With NC contact
Contacts type and composition	3 NC
Contact operation	Slow-break, simultaneous
Operating rate	20 cyc/mn for maximum durability
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-5-1
[Ui] rated insulation voltage	300 V conforming to UL 508, 500 V conforming to IEC 60947-1, 300 V conforming to CSA C22.2 No 14
[Ie] rated operational current	0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1, 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1, 0.75 A at 240 V, AC-15, C300 conforming to IEC 60947-5-1, 1.5 A at 120 V, AC-15, C300 conforming to IEC 60947-5-1
[Ithe] conventional enclosed thermal current	2.5 A
Electrical shock protection class	Class II conforming to IEC 61140
Short-circuit protection	10 A cartridge fuse type gG (gI)
Insulation	Double insulated
Width	15 mm
Depth	30 mm
Product weight	0.11 kg

Environment

IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-25…80 °C
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	6 gn (f= 10-55 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	JP (Japan)
Unit type of package 1	PCE
Number of units in package 1	1

New Package 1 GTIN-13	3666916047354
Package 1 height	2 cm
Package 1 width	22 cm
Package 1 length	24 cm
Package 1 weight	0.221 kg
Unit type of package 2	S02
Number of units in package 2	20
New Package 2 GTIN 14	13666916047351
Package 2 height	15 cm
Package 2 width	40 cm
Package 2 length	30 cm
Package 2 weight	4.42 kg
Unit type of package 3	S03
Number of units in package 3	20
New Package 3 GTIN 14	23666916047358
Package 3 height	30 cm
Package 3 width	30 cm
Package 3 length	40 cm
Package 3 weight	5.157 kg