

Product data sheet

Specifications



Guard switch, Telemecanique Safety switches XCS, XCSPL, straight lever, centred, 1NC+1 NO, Pg11

XCSPL551

Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Guard switch
Component name	XCSPL
Material	Plastic
Head type	Turret head rotary lever
Insulation	Double insulated
Type of operator	Straight lever
Operator direction information	Centred
Electrical connection	Terminal
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break, break before make
Clamping connection capacity	1 x 0.5...2 x 1.5 mm ² with or without cable end
Cable entry	1 entry tapped for Pg 11
Number of poles	2

Complementary

Cable outer diameter	7...10 mm
Positive opening	With NC contact
Tripping angle	5 °
Mechanical durability	1000000 cycles
Minimum torque for tripping	0.1 N.m
Positive opening minimum torque	0.25 N.m
Contact code designation	A300, AC-15 (U _e = 120 V, I _e = 6 A) conforming to EN/IEC 60947-5-1 A300, AC-15 (U _e = 240 V, I _e = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (U _e = 125 V, I _e = 0.55 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (U _e = 250 V, I _e = 0.27 A) conforming to EN/IEC 60947-5-1
[I _{th} e] conventional enclosed thermal current	10 A
[U _i] rated insulation voltage	300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 500 V (pollution degree 3) conforming to EN/IEC 60947-1

[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-5-1
Maximum resistance across terminals	30 mOhm conforming to EN/IEC 60947-5-4
Short-circuit protection	10 A cartridge fuse type gG (gl)
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 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
Enclosure material	Polyamide PA66 fibre glass impregnated
Lever material	Stainless steel
Width	30 mm
Height	161 mm
Depth	30 mm
Net weight	0.095 kg

Environment

Standards	UL 508 EN/IEC 60204-1 EN/IEC 60947-5-1 EN 1088/ISO 14119 EN/IEC 60947-5-4 EN/ISO 12100 CSA C22.2 No 14
Product certifications	UL BG CSA
Protective treatment	TC TH
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	50 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Electrical shock protection class	Class II conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.2 cm
Package 1 Width	20.5 cm
Package 1 Length	3.8 cm
Package 1 Weight	127.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm

Package 2 Weight	6.043 kg
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Offer Sustainability

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

Warranty	18 months
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Recommended replacement(s)