

Product data sheet

Specifications



Safety switch, Telemecanique Safety switches XCS, plastic XCSPA, 1 NC + 1 NO, slow break, 1 entry tapped Pg 11

XCSPA591

Main

Range Of Product	Telemecanique Safety switches XCS
Product Or Component Type	Safety switch
Component Name	XCSPA
Design	Compact
Material	Plastic
Head Type	Key operated turret head
Contacts Type And Composition	1 NC + 1 NO
Contact Operation	Slow-break, break before make
Cable Entry	1 entry tapped for Pg 11
Cable Outer Diameter	7...10 mm
Electrical Connection	Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm² with or without cable end
Number Of Poles	2
Locking Options Description	Without locking of actuator

Complementary

Insulation	Double insulated
Positive Opening	With NC contact
Mechanical Durability	1000000 cycles
Positive Opening Minimum Force	15 N
Minimum Actuation Speed	0.01 m/s
Maximum Actuation Speed	0.5 m/s
[Ie] Rated Operational Current	6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1 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
[Ithe] Conventional Enclosed Thermal Current	10 A
[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
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-5-1
Short-Circuit Protection	10 A cartridge fuse type gG (gl)
Actuator Forcible Withdrawal Rtc	10 N
Maximum Operating Rate	10 cyc/mn for maximum durability

Disclaimer: 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

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
Body Material	PA (polyamide)
Head Material	PA (polyamide)
Depth	30 mm
Height	94 mm
Width	30 mm
Net Weight	0.11 kg

Environment

Standards	IEC 60947-5-1 CSA C22.2 No 14 ISO 12100 IEC 60204-1 EN 1088/ISO 14119 UL 508
Product Certifications	UL CSA
Protective Treatment	TC
Ambient Air Temperature For Operation	-25...70 °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 II conforming to IEC 61140
Ip Degree Of Protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.000 cm
Package 1 Width	4.600 cm
Package 1 Length	12.600 cm
Package 1 Weight	110.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	55
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.655 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	880

Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	110.820 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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 Diisodecyl 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