

# XCSPA591

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

## 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 Pg 11
Cable outer diameter	0.3...0.4 in (7...10 mm)
Electrical connection	Terminal 1 x 0.5...2 x 1.5 mm <sup>2</sup> 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	0.03 ft/s (0.01 m/s)
Maximum actuation speed	1.6 ft/s (0.5 m/s)
[Ie] rated operational current	6 A 120 V, AC-15, A300 IEC 60947-5-1 3 A 240 V, AC-15, A300 IEC 60947-5-1 0.55 A 125 V, DC-13, Q300 IEC 60947-5-1 0.27 A 250 V, DC-13, Q300 IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	300 VUL 508 500 VIEC 60947-1 300 VCSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-5-1
Short-circuit protection	10 A cartridge fuse gG (gl)
Actuator forcible withdrawal rtc	10 N
Maximum operating rate	10 cyc/mn for maximum durability
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired 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	1.2 in (30 mm)
Height	3.7 in (94 mm)
Width	1.2 in (30 mm)
Net Weight	0.24 lb(US) (0.11 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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[RETURN]CSA
Protective treatment	TC
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	5 gn 10...500 Hz)IEC 60068-2-6
Shock resistance	10 gn 11 ms IEC 60068-2-27
Electrical shock protection class	Class II IEC 61140
IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1


## Ordering and shipping details

Category	US1000T22411
Discount Schedule	000T
GTIN	3389110720518
Returnability	Yes
Country of origin	BR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.18 in (3.000 cm)
Package 1 Width	1.81 in (4.600 cm)
Package 1 Length	4.96 in (12.600 cm)
Package 1 Weight	3.880 oz (110.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	55
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	14.672 lb(US) (6.655 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	880
Package 3 Height	29.53 in (75.000 cm)
Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	244.316 lb(US) (110.820 kg)

## Offer Sustainability

SCIP Number	Ad71f9d2-7746-48bd-bc4b-c2dd6b5b9e3a
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes

## Contractual warranty

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Warranty	18 months
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