



### Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Guard switch
Component name	XCSTR
Material	Plastic
Head type	Turret head rotary axis
Insulation	Double insulated
Type of operator	Spindle 30 mm
Electrical connection	Terminal
Contacts type and composition	1 NC + 1 NO + 1 NO
Contact operation	Slow-break, break before make
Clamping connection capacity	1 x 0.34...2 x 0.75 mm <sup>2</sup> with or without cable end
Cable entry	2 entries tapped 1/2" NPT
Number of poles	3

### Complementary

Cable outer diameter	0.28...0.39 in (7...10 mm)
Positive opening	With NC contact
Tripping angle	5 °
Mechanical durability	1000000 cycles
Minimum torque for tripping	0.89 lbf.in (0.1 N.m)
Positive opening minimum torque	3.98 lbf.in (0.45 N.m)
Minimum actuation speed	0.33 ft/s (0.1 m/s)
Contact code designation	B300, AC-15 (U <sub>e</sub> = 120 V, I <sub>e</sub> = 6 A) conforming to EN/IEC 60947-5-1 B300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (U <sub>e</sub> = 125 V, I <sub>e</sub> = 0.2 A) conforming to EN/IEC 60947-5-1 R300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A) conforming to EN/IEC 60947-5-1

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

[Ithe] conventional enclosed thermal current	6 A
[Ui] rated insulation voltage	300 VUL 508 300 VCSA C22.2 No 14 400 V 3)EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	4 kV EN/IEC 60947-5-1
Maximum resistance across terminals	30 mOhm conforming to EN/IEC 60947-5-4
Short-circuit protection	6 A cartridge fuse gG (gl)
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired EN/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
Enclosure material	Polyamide PA66 fibre glass impregnated
Lever material	Stainless steel
Width	2.05 in (52 mm)
Height	4.61 in (117 mm)
Depth	2.36 in (60 mm)
Net weight	0.34 lb(US) (0.155 kg)

## Environment

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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	6.00 oz (170 g)
Package 1 Height	2.36 in (6 cm)
Package 1 width	4.80 in (12.2 cm)
Package 1 Length	2.76 in (7 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>