



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 80 mm
Electrical connection	Terminal
Contacts type and composition	1 NC + 1 NC + 1 NC
Contact operation	Slow-break
Clamping connection capacity	1 x 0.34...2 x 0.75 mm ² with or without cable end
Cable entry	2 entries tapped for M16 x 1.5
Number of poles	3

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	0.45 N.m
Minimum actuation speed	0.1 m/s
Contact code designation	B300, AC-15 (Ue = 120 V, Ie = 6 A) conforming to IEC 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to IEC 60947-5-1 Q300, DC-13 (Ue = 125 V, Ie = 0.2 A) conforming to IEC 60947-5-1 R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to IEC 60947-5-1
[Ithe] conventional enclosed thermal current	6 A
[Ui] rated insulation voltage	300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 400 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60947-5-1
Maximum resistance across terminals	30 mOhm conforming to IEC 60947-5-4
Short-circuit protection	6 A cartridge fuse type gG (gl)
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
Enclosure material	Polyamide PA66 fibre glass impregnated
Lever material	Stainless steel
Width	52 mm
Height	117 mm
Depth	110 mm
Net weight	0.187 kg

Environment

Standards	ISO 12100 CSA C22.2 No 14 IEC 60947-5-1 UL 508 EN 1088/ISO 14119 IEC 60204-1 IEC 60947-5-4
Product certifications	BG[RETURN]UL[RETURN]CSA
Protective treatment	TH TC
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 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	6.2 cm
Package 1 Width	17.0 cm
Package 1 Length	11.6 cm
Package 1 Weight	210.0 g

Offer Sustainability

Sustainable offer status	Green Premium product
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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