

Product data sheet

XCSTR553

Safety switch XCSTR, 1NC+2NO, 1/2" NPT, hinge, spindle 30 mm

Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Guard switch
Component name	XCSTR
ETIM classification	ETIM 9 - EC002593 - Position switch with guard locking
Head type	Turret head rotary axis
Material	Plastic
Lever material	Stainless steel
Enclosure material	Polyamide PA66 fibre glass impregnated
Type of operator	Spindle 30 mm
Number of poles	3
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
Product certifications	BG CSA UL
Standards	CSA C22.2 No 14 EN 1088/ISO 14119 IEC 60204-1 IEC 60947-5-1 IEC 60947-5-4 ISO 12100 UL 508
Indivisible sale quantity	1

Complementary

Mechanical durability	1000000 cycles
Minimum torque for tripping	0.1 N.m
Minimum actuation speed	0.1 m/s
Cable entry	2 entries tapped for 1/2" NPT
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
Electrical connection	Terminal

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.
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Positive opening	With NC contact
Positive opening minimum torque	0.45 N.m
Contacts type and composition	1 NC + 1 NO + 1 NO
Contact operation	Slow-break, break before make
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60947-5-1
[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
[Ithe] conventional enclosed thermal current	6 A
Resistance across terminals	30 mOhm conforming to IEC 60947-5-4
Electrical shock protection class	Class II conforming to IEC 61140
Short-circuit protection	6 A cartridge fuse type gG (gI)
Insulation	Double insulated
Clamping connection capacity	1 x 0.34...2 x 0.75 mm² with or without cable end
Width	52 mm
Depth	60 mm
Product weight	0.155 kg

Environment

IP degree of protection	IP67 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	50 gn (f= 10-500 Hz) conforming to IEC 60068-2-6
Protective treatment	TC TH

Offer Sustainability

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

Warranty

Warranty	18 months

Packing Units

Country of origin	FR (France)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916045794

Package 1 height	6 cm
Package 1 width	12.2 cm
Package 1 length	7 cm
Package 1 weight	0.17 kg
Unit type of package 2	S02
Number of units in package 2	20
New Package 2 GTIN 14	13666916045791
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	3.66 kg
Unit type of package 3	P06
Number of units in package 3	320
New Package 3 GTIN 14	23666916045798
Package 3 height	75 cm
Package 3 width	60 cm
Package 3 length	80 cm
Package 3 weight	66.56 kg