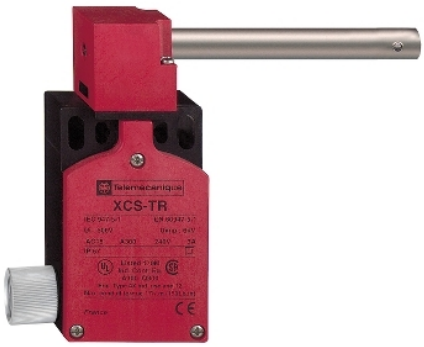
Product data sheet
Characteristics

XCSTR763
safety switch XCSTR - spindle 80 mm - 2NC +1NO -1/2"NPT



Main

Range of product	Preventa Safety detection
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 NO
Contact operation	Slow-break, break before make
Clamping connection capacity	1 x 0.34...2 x 0.75 mm² with or without cable end
Cable entry	2 entries tapped for 1/2" NPT
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 EN/IEC 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (Ue = 125 V, Ie = 0.2 A) conforming to EN/IEC 60947-5-1 R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/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 EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	EN/IEC 60947-5-1 4 kV
Maximum resistance across terminals	30 mOhm conforming to EN/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 EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/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

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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Environment

Standards	EN/IEC 60204-1 EN/ISO 12100 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN 1088/ISO 14119 CSA C22.2 No 14 UL 508
Product certifications	BG UL CSA
Protective treatment	TC TH
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 EN/IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

Packing Units

Package 1 Weight	0.210 kg
Package 1 Height	0.620 dm
Package 1 width	1.700 dm
Package 1 Length	1.160 dm