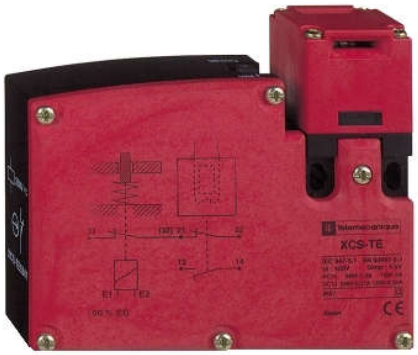
Product data sheet
Characteristics

XCSTE5342
limit switch for safety application - XCS-TE - operating key - 1 NC + 1 NO



Main

Range of product	Preventa Safety detection
Product or component type	Safety switch
Component name	XCSTE
Design	Rectangular
Material	Plastic
Head type	Key operated turret head
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break, break before make
Solenoid contacts type and composition	1 NC (slow-break)
Cable entry	1 entry tapped for Pg 11
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
[Us] solenoid rated supply voltage	230 V AC 20...10 %
Cable outer diameter	7…10 mm
Electrical connection	Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm² with or without cable end
Number of poles	2
Locking options description	With interlocking, locking by solenoid

Complementary

Insulation	Double insulated
Positive opening	With NC contact
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
Load factor	1
Power consumption in VA	10 VA
Mechanical durability	1000000 cycles
Positive opening minimum force	15 N
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
[Ie] rated operational current	0.55 A at 125 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1 1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	6 A
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-5-1
Short-circuit protection	10 A cartridge fuse type gG (gl)
Actuator forcible withdrawal rtc	500 N
Maximum operating rate	10 cyc/mn for maximum durability

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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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 EN/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	33 mm
Height	94 mm
Width	110 mm
Net weight	0.36 kg

Environment

Standards	CSA C22.2 No 14 EN/ISO 12100 EN 1088/ISO 14119 EN/IEC 60947-5-1 EN/IEC 60204-1 UL 508
Product certifications	CSA UL
Protective treatment	TC
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…70 °C
Vibration resistance	5 gn (f= 10…500 Hz) conforming to IEC 60068-2-6
Shock resistance	10 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 EN/IEC 60529 and EN/IEC 60947-5-1

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information