

Product data sheet

XCSTA591

Safety switch XCSTA, plastic, 1NC+2NO, slow break, 1 entry tapped Pg 11

Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Safety switch
Component name	XCSTA
Design	Compact
Sensor design	Compact
ETIM classification	ETIM 9 - EC002592 - Position switch with separate actuator
Head type	Key operated turret head
Material	Plastic
Body material	PA (polyamide)
Head material	PA (polyamide)
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
Locking options description	Without locking of actuator
Product certifications	CSA UL
Standards	CSA C22.2 No 14 EN 1088/ISO 14119 IEC 60204-1 IEC 60947-5-1 ISO 12100 UL 508
Indivisible sale quantity	1

Complementary

Actuator forcible withdrawal rtc	10 N
Mechanical durability	1000000 cycles
Minimum actuation speed	0.01 m/s
Cable entry	2 entries tapped for Pg 11
Electrical connection	Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm² with or without cable end
Positive opening	With NC contact

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 minimum force	15 N
Contacts type and composition	1 NC + 2 NO
Contact operation	Slow-break, break before make
Operating rate	10 cyc/mn for maximum durability
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-5-1
[Ui] rated insulation voltage	300 V conforming to UL 508, 500 V conforming to IEC 60947-1, 300 V conforming to CSA C22.2 No 14
[Ie] rated operational current	6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1, 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1, 0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1, 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1
Electrical shock protection class	Class II conforming to IEC 61140
Short-circuit protection	10 A cartridge fuse type gG (gI)
Insulation	Double insulated
Width	52 mm
Depth	30 mm
Product weight	0.16 kg

Environment

IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Shock resistance	10 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	5 gn (f= 10-500 Hz) conforming to IEC 60068-2-6
Protective treatment	TC

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	3666916047088
Package 1 height	4 cm
Package 1 width	12.3 cm

Package 1 length	8.5 cm
Package 1 weight	0.166 kg
Unit type of package 2	S01
Number of units in package 2	12
New Package 2 GTIN 14	13666916047085
Package 2 height	15 cm
Package 2 width	15 cm
Package 2 length	40 cm
Package 2 weight	2.164 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916047082
Package 3 height	8.5 cm
Package 3 width	4 cm
Package 3 length	12.3 cm
Package 3 weight	0.171 kg