

Product data sheet

XCSE7312

Safety interlock XCSE, metal, 2NC+1NO, slow break, 2 entries tapped M20

Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Safety switch
Component name	XCSE
Design	Rectangular
Sensor design	RECTANGULAR
ETIM classification	ETIM 9 - EC002593 - Position switch with guard locking
Head type	Key operated turret head
Material	Metal
Body material	Zamak
Head material	Zamak
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	With interlocking, locking by solenoid
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
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 force for extraction	20 N
Actuator forcible withdrawal rtc	2000 N
Mechanical durability	1000000 cycles
Minimum actuation speed	0.01 m/s
Cable entry	2 entries tapped for M20 x 1.5

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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Electrical connection	Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm² with or without cable end
Positive opening	With NC contact
Contacts type and composition	2 NC + 1 NO
Solenoid contacts type and composition	1 NC + 1 NO (slow-break, simultaneous)
Contact operation	Slow-break, break before make
Operating rate	10 cyc/mn for maximum durability
[Us] rated supply voltage	24 V - 20...10 %
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-5-1
[Ui] rated insulation voltage	50 V conforming to IEC 60947-1 for signalling circuit
Signalling circuit voltage	24/48 V (voltage limits: 20...52 V)
[Ie] rated operational current	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, 3 A at 120 V, AC-15, B300 conforming to IEC 60947-5-1, 1.5 A at 240 V, AC-15, B300 conforming to IEC 60947-5-1
[Ithe] conventional enclosed thermal current	6 A
Power consumption in VA	10 VA inrush, 10 VA sealed
Electrical shock protection class	Class I conforming to IEC 61140
Short-circuit protection	10 A cartridge fuse type gG (gI)
Local signalling	2 LEDs (green or orange) for guard open/guard closed and locked
Signalling circuit consumption	7 mA
Signalling circuit type	AC/DC
Protection type	Overvoltage protection for signalling circuit
Width	98 mm
Depth	44 mm
Product weight	1.14 kg

Environment

IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1
Ambient air temperature for operation	-25...40 °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	ID (Indonesia)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916048689
Package 1 height	5.7 cm
Package 1 width	11.3 cm
Package 1 length	15.5 cm
Package 1 weight	1.315 kg
Unit type of package 2	S01
Number of units in package 2	4
New Package 2 GTIN 14	13666916048686
Package 2 height	15 cm
Package 2 width	15 cm
Package 2 length	40 cm
Package 2 weight	5.5 kg
Unit type of package 3	S02
Number of units in package 3	8
New Package 3 GTIN 14	23666916048683
Package 3 height	15 cm
Package 3 width	30 cm
Package 3 length	40 cm
Package 3 weight	10.663 kg