Product data sheet
Characteristics

XCSA522
metal safety switch XCSA - 1 NC + 2 NO - slow break - 1 entry tapped M20



Main

Range of product	Preventa Safety detection
Product or component type	Safety switch
Component name	XCSA
Design	Industrial
Material	Metal
Head type	Key operated turret head
Contacts type and composition	1 NC + 2 NO
Contact operation	Slow-break, break before make
Cable entry	1 entry tapped M20 x 1.5
Cable outer diameter	7...13 mm
Electrical connection	Terminal, 1 x 0.5...2 x 1.5 mm² with or without cable end
Number of poles	3
Locking options description	Without locking of actuator
Local signalling	1 LED orange (on opening of NC contacts)
Signalling circuit voltage	110/240 V

Complementary

Positive opening	With NC contact
Signalling circuit type	AC
Mechanical durability	>= 1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
[Ie] rated operational current	6 A at 120 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1 3 A at 240 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1 0.55 A at 125 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1 0.27 A at 250 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	300 V conforming to CSA C22.2 No 14 500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-5-1
Short-circuit protection	10 A cartridge fuse type gG (gl)

Disclaimer: 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

Actuator force for extraction	>= 20 N
Operating rate	10 cyc/mn for maximum durability
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	Zamak
Head material	Zamak
Depth	44 mm
Height	114 mm
Width	40 mm
Product weight	0.44 kg

Environment

Standards	EN/IEC 60947-5-1 EN/ISO 12100 CSA C22.2 No 14 EN/IEC 60204-1 UL 508 EN 1088/ISO 14119
Product certifications	UL CSA
Protective treatment	TC
Ambient air temperature for operation	-25...70 °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 I conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1

Offer Sustainability

RoHS (date code: YYWW)	Will not be compliant Will not be compliant
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months