XCSA702

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

Main	
Commercial Status	Commercialised
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	2 NC + 1 NO
Contacts operation	Slow-break, break before make
Cable entry	1 entry tapped M20 x 1.5
Cable outer diameter	713 mm
Electrical connection	Terminal, 1 x 0.52 x 1.5 mm² with or without cable end
Number of poles	3
Locking options description	Without locking of actuator
Local signalling	Without

Complementary

Complementary	
Positive opening	With NC contact
Mechanical durability	>= 1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
[le] rated operational current	0.27 A at 250 V utilisation category DC-13, Q300 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 3 A at 240 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1 6 A at 120 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-5-1
Short circuit protection	10 A cartridge fuse type gG (gl)
Actuator force for extraction	>= 20 N
Operating rate	10 cyc/mn for maximum durability
Safety level	Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1
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
CAD overall width	40 mm
CAD overall height	114 mm
CAD overall depth	44 mm
Product weight	0.44 kg

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Environment

Standards	CSA C22-2 No 14	
	EN 1088/ISO 14119	
	EN/IEC 60204-1	
	EN/IEC 60947-5-1	
	EN/ISO 12100	
	UL 508	
Product certifications	CSA	
	UL	
Protective treatment	TC	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4070 °C	
Vibration resistance	5 gn (f = 10500 Hz) conforming to IEC 60068-2-6	
Shock resistance	10 gn for 11 ms conforming to IEC 60068-2-27	
Class of protection against electric shock	Class I conforming to EN/IEC 60536	
IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1	

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0941

Contractual warranty

	Period	18 months
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