Product data sheet
Characteristics

XCSA501
metal safety switch XCSA - 1 NC + 2 NO - slow break - 1 entry tapped Pg 13



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
Contacts operation	Slow-break, break before make
Cable entry	1 entry tapped Pg 13.5
Cable outer diameter	9...12 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	Without

Complementary

Positive opening	With NC contact
Mechanical durability	>= 1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
[Ie] 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	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)
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
Depth	44 mm
Height	114 mm

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Width	40 mm
Product weight	0.44 kg

Environment

Standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 UL 508 CSA C22.2 No 14
Product certifications	CSA UL
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
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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0941 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations