Product data sheet
Characteristics

XCSB501
metal guard switch XCSB - 1 NC+2 NO - slow break - 1 entry tapped Pg 13.5



Main

Range of product	Preventa Safety detection
Product or component type	Guard switch
Component name	XCSB
Material	Metal
Head type	Key operated turret head
Cable entry	1 entry tapped Pg 13.5
Cable outer diameter	9...12 mm
Electrical connection	Terminal
Number of poles	3
Contacts type and composition	1 NC + 1 NO + 1 NO on output
Contacts operation	Slow break, (2 NO staggered)
Locking options description	With locking of actuator, unlocking by pushbutton
Local signalling	Without

Complementary

Clamping connection capacity	1 x 0.5...2 x 1.5 mm² with or without cable end
Positive opening	With NC contact
Mechanical durability	600000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
Contact code designation	A300 , AC-15 (Ue = 240 V , Ie = 3 A) conforming to EN/IEC 60947-5-1 A300 , AC-15 (Ue = 120 V , Ie = 6 A) conforming to EN/IEC 60947-5-1 Q300 , DC-13 (Ue = 250 V , Ie = 0.27 A) conforming to EN/IEC 60947-5-1 Q300 , DC-13 (Ue = 125 V , Ie = 0.55 A) conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14 500 V conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-5-1
Resistance across terminals	≤ 30 mOhm conforming to EN/IEC 60947-5-4
Short circuit protection	10 A cartridge fuse type gG (gl)
Actutr forcible withdrawal rtc	1500 N
Actuator force for extraction	≥ 20 N
Operating rate	10 cyc/mn for maximum durability
Safety level	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 IEC 61508 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 10 years limited by mechanical or contact wear)
Body material	Zamak
Head material	Zamak
Product weight	0.475 kg

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Environment

Standards	CSA C22-2 No 14 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 EN 1088/ISO 14119 UL 508
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
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant