



Main

Range of product	Preventa Safety detection
Product or component type	Guard switch
Component name	XCSA
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 NC + 1 NO on output
Contacts operation	Slow break, (NO staggered)
Locking options description	Without locking of actuator
Local signalling	1 LED orange (on opening of NC contacts)
Signalling circuit voltage	24/48 V

Complementary

Clamping connection capacity	1 x 0.5...2 x 1.5 mm ² with or without cable end
Positive opening	With NC contact
Signalling circuit type	AC/DC
Mechanical durability	≥ 1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
Contact code designation	A300 , AC-15 (U _e = 240 V , I _e = 3 A) conforming to EN/IEC 60947-5-1 A300 , AC-15 (U _e = 120 V , I _e = 6 A) conforming to EN/IEC 60947-5-1 Q300 , DC-13 (U _e = 250 V , I _e = 0.27 A) conforming to EN/IEC 60947-5-1 Q300 , DC-13 (U _e = 125 V , I _e = 0.55 A) conforming to EN/IEC 60947-5-1
[I _{th}] conventional enclosed thermal current	10 A
[U _i] 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
[U _{imp}] 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)
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	0.44 kg

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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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