Product datasheet
Characteristics

XCSA502EX
metal key operated switch XCSA - 1NC+2NO - slow BBM - M20 - ATEX



Main

Range of product	Preventa ATEX D
Product or component type	Safety switch
Device short name	XCSA
Material	Metal
Head type	Key operated turret head
Cable entry number	1 tapped entry (M20 x 1.5) for cable gland (included), cable outer diameter: 7...13 mm
Electrical connection	Terminal
Clamping connection capacity	1 x 0.5...2 x 1.5 mm² with or without cable end
Number of poles	3
Contacts type and composition	1 NC + 2 NO
Contacts operation	Slow-break, break before make
Positive opening	With NC contact
Locking options description	Without locking of actuator

Complementary

Local signalling	Without
Mechanical durability	>= 1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
Contact code designation	A300, AC-15 (120 V, Ie = 6 A) conforming to EN/IEC 60947-5-1 A300, AC-15 (240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (125 V, Ie = 0.55 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (250 V, Ie = 0.27 A) 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, gG (gl)
Actuator force for extraction	>= 20 N
Operating rate	10 cyc/mn for maximum durability
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

Environment

Safety level	Can reach category 4 conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach PL = e conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach SIL 3 conforming to IEC 61508 with the appropriate monitoring system and correctly wired
Safety reliability data	B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear
Protective treatment	TC

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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
Marking	II2 D-Ex tb IIIC T85°C Db IP67
Dust zone	Zone 21 - 22
Product certifications	CSA INERIS 04ATEX0014X UL
Standards	Directive ATEX 94/9/EC EN/IEC 60079-0 EN/IEC 60079-31

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1014 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations