Product datasheet
Characteristics

XCSC702EX
metal key operated switch XCSA - 2NC + NO slow break - ATEX/IECEx



Main

Range of product	Preventa ATEX D
Product or component type	Safety switch
Device short name	XCSC
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	2 NC + 1 NO
Contact operation	Slow-break, break before make
Positive opening	With NC contact
Locking options description	With locking of actuator, unlocking by key operated lock

Complementary

Local signalling	Without
Mechanical durability	600000 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	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

Disclaimer: 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

Short-circuit protection	10 A cartridge fuse, gG (gl)
Actuator forcible withdrawal rtc	1500 N
Actuator force for extraction	>= 20 N
Operating rate	<= 10 cyc/mn for maximum durability
Body material	Zamak
Head material	Zamak
CAD overall width	52 mm
CAD overall height	114 mm
CAD overall depth	44 mm
Product weight	0.48 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
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
Electrical shock protection class	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	IEC-Ex INE 17.0020X
Standards	EN/IEC 60079-0 EN/IEC 60079-31
Directives	2014/34/EU - ATEX directive

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1327 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months