Product data sheet
Characteristics

XCSE7313
metal guard switch XCSE - 2NC+1NO - slow break- 2 entries tapped 1/2" NPT



Main

Range of product	Preventa Safety detection
Product or component type	Guard switch
Component name	XCSE
Material	Metal
Head type	Key operated turret head
Cable entry	2 entries tapped 1/2" NPT
Electrical connection	Terminal
Number of poles	3
Contacts type and composition	1 NC + 1 NC + 1 NO on output 1 NC + 1 NO on solenoid
Contacts operation	Slow break, (NO staggered)
Locking options description	With interlocking, locking by solenoid
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
[Us] rated supply voltage	24 V (- 20...10 %)
Local signalling	2 LED green or orange (guard open/guard closed and locked)
Signalling circuit voltage	24/48 V (voltage limits: 20...52 V)

Complementary

Clamping connection capacity	1 x 0.5...2 x 1.5 mm² with or without cable end
Positive opening	With NC contact
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
Load factor	1
Power consumption in VA	10 VA (inrush) 10 VA (sealed)
Signalling circuit type	AC/DC
Signalling circuit consumption	7 mA
Service life in hours	For solenoid For LED
Mechanical durability	≥ 1000000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
Contact code designation	B300 , AC-15 (Ue = 240 V , Ie = 1.5 A) conforming to EN/IEC 60947-5-1 B300 , AC-15 (Ue = 120 V , Ie = 3 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	6 A
[Ui] rated insulation voltage	50 V for signalling circuit 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
Protection type	Overvoltage protection for signalling circuit
Short circuit protection	10 A cartridge fuse type gG (gl)
Actutr forcible withdrawal rtc	2000 N
Actuator force for extraction	≥ 20 N
Operating rate	10 cyc/mn for maximum durability

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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	1.14 kg

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...40 °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	0839
RoHS EUR status	Compliant