

# Product data sheet

## Characteristics

# XCSE7511

metal safety switch XCSE - 2NC + 1NO- slow break - 2 entries tapped Pg 13- 24V

Product availability: Stock - Normally stocked in distribution facility



### Main

Commercial Status	Commercialised
Range of product	Preventa Safety detection
Product or component type	Safety switch
Component name	XCSE
Design	Rectangular
Material	Metal
Head type	Key operated turret head
Contacts type and composition	2 NC + 1 NO
Contacts operation	Slow-break, break before make
Solenoid contacts type and composition	1 NC + 1 NO (slow-break, simultaneous)
Cable entry	2 entries tapped Pg 13.5
Electromagnet	Locking on energisation and unlocking on de-energisation of solenoid
[Us] rated supply voltage	24 V (- 20...10 %)
Cable outer diameter	0.35...0.47 in (9...12 mm)
Electrical connection	Terminal, 1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end
Number of poles	3
Locking options description	With interlocking, locking by solenoid
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

Positive opening	With NC contact
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
Load factor	1
Power consumption in VA	10 VA (sealed) 10 VA (inrush)
Signalling circuit type	AC/DC
Signalling circuit consumption	7 mA
Mechanical durability	>= 1000000 cycles
Minimum actuation speed	0.03 ft/s (0.01 m/s)
Maximum actuation speed	1.64 ft/s (0.5 m/s)
[Ie] rated operational current	1.5 A at 240 V utilisation category AC-15, B300 conforming to EN/IEC 60947-5-1 3 A at 120 V utilisation category AC-15, B300 conforming to EN/IEC 60947-5-1 0.27 A at 250 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1 0.55 A at 125 V utilisation category DC-13, Q300 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
Protection type	Overvoltage protection for signalling circuit
Short circuit protection	10 A cartridge fuse type gG (gl)

Actuator forcible withdrawal rtc	2000 N
Actuator force for extraction	>= 20 N
Operating rate	10 cyc/mn for maximum durability
Safety level	Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 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 20 years limited by mechanical or contact wear)
Body material	Zamak
Head material	Zamak
Depth	1.73 in (44 mm)
Height	5.75 in (146 mm)
Width	3.86 in (98 mm)
Product weight	2.51 lb(US) (1.14 kg)

## Environment

Standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 UL 508 CSA C22.2 No 14
Product certifications	CSA UL
Protective treatment	TC
Ambient air temperature for operation	-13...104 °F (-25...40 °C)
Ambient air temperature for storage	-40...158 °F (-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

## Ordering and shipping details

Category	22411 - LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	00785901115861
Nbr. of units in pkg.	1
Package weight(Lbs)	1.50
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	ID

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Will be Compliant on 3Q2013
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available  Download Product Environmental

## Contractual warranty

Period	18 months
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