

# XCSE7312

metal safety switch XCSE - 2NC+1NO - slow  
break- 2entries tapped M20- 24V

Product availability: Stock - Normally stocked in distribution facility



## Main

|                                        |                                                                       |
|----------------------------------------|-----------------------------------------------------------------------|
| 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                                                           |
| Contact operation                      | Slow-break, break before make                                         |
| Solenoid contacts type and composition | 1 NC + 1 NO (slow-break, simultaneous)                                |
| Cable entry                            | 2 entries tapped M20 x 1.5                                            |
| Electromagnet interlocking             | Locking on de-energisation and unlocking on energisation of solenoid  |
| [Us] solenoid rated supply voltage     | 24 V (- 20...10 %)                                                    |
| Cable outer diameter                   | 0.28...0.51 in (7...13 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 LEDs 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 (inrush)<br>10 VA (sealed)                                                                                                                                                                                                                                                                                                     |
| 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               | 0.55 A at 125 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>3 A at 120 V utilisation category AC-15, B300 conforming to EN/IEC 60947-5-1<br>1.5 A at 240 V utilisation category AC-15, B300 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 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 category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508 |
| 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/IEC 60947-5-1<br>EN/IEC 60204-1<br>UL 508<br>EN 1088/ISO 14119<br>EN/ISO 12100<br>CSA C22.2 No 14 |
| Product certifications                | UL<br>CSA                                                                                            |
| 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 11 ms conforming to IEC 60068-2-27                                                             |
| Electrical shock protection class     | Class I conforming to EN/IEC 61140                                                                   |
| 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                  | 00785901537472                  |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 2.8799999999999999              |
| Returnability         | Y                               |
| Country of origin     | ID                              |

## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW)           | Compliant - since 1345 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                                                                  |
| Product end of life instructions | Available                                                                                                                          |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                                       |
| ----- Substance 1                | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                        |
| ----- Substance 2                | Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.          |
| ----- More information           | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XCSE7312](#)