

## PSEN cs3.1n 1switch

541053



RFID safety switch 2 safe SC outputs, 5-pin M12 male connector, one actuation direction, IP67, switching distance depends on actuator, PU = 1 piece coded switch (without actuator).

## Technical details

### General data

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Approval:                       | CE, UKCA, cULus Listed, FCC, IC, TÜV, EAC (Eurasian) |
| Sensor principle:               | Transponder                                          |
| Coding level to ISO 14119:      | Low                                                  |
| Classification to EN 60947-5-3: | PDDb                                                 |
| Transponder coding:             | coded                                                |
| Suitable for series connection: | no                                                   |
| unit type:                      | Sensor                                               |

### Technical data

#### Electrical data

|                            |           |
|----------------------------|-----------|
| Supply voltage (V):        | 24 - 24 V |
| Type of supply voltage U1: | DC        |
| Power consumption DC:      | 1 W       |

#### Semiconductor outputs

|                                 |       |
|---------------------------------|-------|
| Number of OSSD outputs:         | 2     |
| Number of sig. outputs:         | 1     |
| Potential isolation S/C O:      | No    |
| S/C output short circuit proof: | Yes   |
| Utilisation cat. to EN 60947-1: | DC-12 |

### Environmental data

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature standard:   | EN 60068-2-14                    |
| Ambient temperature:            | -25 - 70 °C                      |
| Max. ambient temp. at Hmax:     | +60 °C                           |
| Max. ambient temp. at 2000 m:   | +70 °C                           |
| Storage temperature standard:   | EN 60068-2-1/-2                  |
| Climatic suitability standard:  | EN 60068-2-78                    |
| Humidity rating:                | 93 % r. h. at 40 °C              |
| Perm. operating height ASL:     | 4000 m                           |
| EMC to standard ...:            | EN 60947-5-3                     |
| Vibration to standard ...:      | EN 60947-5-2                     |
| Acc. shock to standard1:        | 30g                              |
| Overvoltage category:           | III                              |
| Pollution degree clear.&creep.: | 3                                |
| Protection type, housing:       | IP6K9K                           |
| Switching distances             |                                  |
| Change op. distance temp.act.1: | +0.01mm/°C                       |
| Change op. distance temp.act.2: | +0.1mm/°C                        |
| Change op. distance temp.act.3: | +0.01mm/°C                       |
| Change op. distance temp.act.4: | +0.01mm/°C                       |
| Mechanical data                 |                                  |
| Bend radius (when laying) K1:   | 5 x Ø                            |
| Sensor can be flush-mounted:    | Yes, follow installation guide   |
| Connection type:                | M12, 5-pin male                  |
| Cable lines:                    | Li9Y11Y 8 x 0.14 mm <sup>2</sup> |
| Housing material upper part:    | PBT                              |
| Height dimension:               | 37 mm                            |
| Width dimension:                | 26 mm                            |
| Depth dimension:                | 18 mm                            |
| Gross weight:                   | 54 g                             |

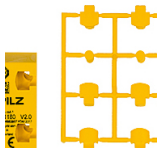
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|--------------------------------|--------------------------------|
| Transponder                    |                                |
| Operating frequency:           | 122 kHz - 128 kHz              |
| Environment                    |                                |
| RoHS directive:                | 2011/65/EU, 2015/863/EU        |
| RoHS conformity:               | yes                            |
| RoHS exceptions:               | yes                            |
| RoHS except.s acc. to direct.: | 7a, 7c I                       |
| REACH compliance:              | contains min. 1 SVHC-substance |
| REACH included substances:     | Lead, Lead oxide               |
| %-part of the pollutant:       | > 0,1%                         |
| CAS No.:                       | 7439-92-1, 1317-36-8           |
| SCIP entry available:          | yes                            |
| WEEE classification (08/2018): | 5 devices (feed size < 50cm)   |
| Commercial data                |                                |
| ECLASS version:                | ECLASS-13                      |
| ECLASS Reference Feature:      | 27274601                       |
| ETIM Version:                  | ETIM-9.0                       |
| ETIM Reference Group:          | EG000026                       |
| ETIM Reference Feature:        | EC002592                       |
| UNSPSC 25:                     | 39122205                       |
| GTIN:                          | 4046548060836                  |
| Volume:                        | 0 dm3                          |
| Harmonized System Code:        | 85365019                       |
| Type of tariff number:         | TARIC                          |
| Use of customs tariff number:  | Ausfuhr, Einfuhr               |
| Quantity per packaging unit:   | 1                              |

## Obligatory accessories



540080

PSEN cs1.1 1 actuator



541080

PSEN cs3.1 1 actuator



541087

PSEN cs3.1 low profile glue 1 actuator



541088

PSEN cs3.1 low profile screw 1 actuator

## Optional accessories



380208

PSS67 Cable M12sf M12sm, 3m



380209

PSS67 Cable M12sf M12sm, 5m



380210

PSS67 Cable M12sf M12sm, 10m



380211

PSS67 Cable M12sf M12sm, 30m



380212

PSS67 Cable M12af M12am, 3m



380213

PSS67 Cable M12af M12am, 5m



380214

PSS67 Cable M12af M12am, 10m



380215

PSS67 Cable M12af M12am, 30m



380220

PSS67 cable M12-5sf, M12-5sm, 20m



630297

PSEN op cable axial M12 5-pole 30m



630298

PSEN cable M12-5sf 20m



630310

PSEN op cable axial M12 5-pole 3m



630311

PSEN op cable axial M12 5-pole 5m



630312

PSEN op cable axial M12 5-pole 10m



630347

PSEN op cable angle M12 5-pole 3m



630348

PSEN op cable angle M12 5-pole 5m



630349

PSEN op cable angle M12 5-pole 10m



630350

PSEN op cable angle M12 5-pole 30m



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