

## PSEN cs3.1n / PSEN cs3.1 1 Unit

541003

RFID safety switch 2 safe SC outputs, 5-pin M12 male connector, one actuation direction, IP67, switching distance 11 mm, Sao = 8 mm, Sar= 20 mm, PU = 1 piece coded switch with 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:                      | Unit                                                 |

#### Technical data

##### Electrical data

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

##### 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                          |
| Storage temperature standard:   | EN 60068-2-1/-2                  |
| Climatic suitability standard:  | EN 60068-2-78                    |
| Humidity rating:                | 93 % r. h. at 40 °C              |
| 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                                |
| Switching distances             |                                  |
| Change op. dist. temp.change:   | +0.01mm/°C                       |
| Mechanical data                 |                                  |
| Bend radius (when laying) K1:   | 5 x Ø                            |
| Type 1 actuator:                | PSEN cs3.1                       |
| 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                               |
| Width dimension:                | 26                               |
| Depth dimension:                | 18                               |
| Net weight:                     | 50                               |
| Gross weight:                   | 70                               |
| 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, 6c, 7c I                 |
| REACH included substances:     | Lead,                        |
| %-part of the pollutant:       | > 0,1%                       |
| CAS No.:                       | 7439-92-1, 1317-36-8         |
| WEEE classification (08/2018): | 5 devices (feed size < 50cm) |
| SCIP entry available:          | yes                          |
| Commercial data                |                              |
| Harmonized System Code:        | 85365019                     |
| UNSPSC 25:                     | 39122205                     |
| EAN-Code:                      | 4046548060805                |
| ECLASS version:                | ECLASS-13                    |
| ECLASS Reference Feature:      | 27274601                     |
| ETIM Version:                  | ETIM-9.0                     |
| ETIM Reference Group:          | EG000026                     |
| ETIM Reference Feature:        | EC002592                     |
| Volume:                        | 0                            |

## Optional accessories



380209

PSS67 Cable M12sf M12sm, 5m



630347

PSEN op cable angle M12 5-pole 3m



630311

PSEN op cable axial M12 5-pole 5m



630312

PSEN op cable axial M12 5-pole 10m



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



630298

PSEN cable M12-5sf 20m



380210

PSS67 Cable M12sf M12sm, 10m



380211

PSS67 Cable M12sf M12sm, 30m



630310

PSEN op cable axial M12 5-pole 3m



380220

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



630297

PSEN op cable axial M12 5-pole 30m



380214

PSS67 Cable M12af M12am, 10m



380215

PSS67 Cable M12af M12am, 30m



380212

PSS67 Cable M12af M12am, 3m



773600

PDP67 F 8DI ION



380213

PSS67 Cable M12af M12am, 5m



380208

PSS67 Cable M12sf M12sm, 3m