

## PSEN sI2-DM2-P switch

6N000002



Safety switch with electromagnetic guard locking, fully coded, for safety guard locking device PSENSlock2, guard locking for processprotection, holding force 1000 N, 8-pin M12 male connector, series connection

## Technical details

| General data                    |  |
|---------------------------------|--|
| Approval:                       | CE, UKCA, cULus Listed, FCC, IC, TÜV, EAC (Eurasian) |
| Sensor principle:               | Transponder  |
| Coding level to ISO 14119:      | High   |
| Classification to EN 60947-5-3: | PDDB   |
| Transponder coding:             | fully coded  |
| Suitable for series connection: | yes  |
| unit type:                      | Sensor   |
| Technical data                  |  |
| Electrical data                 |  |
| Supply voltage (V):             | 24 - 24 V  |
| Type of supply voltage U1:      | DC   |
| Power consumption DC:           | 4.5 W  |
| Inputs                          |  |
| Number of inputs:               | 3  |
| DC voltage at input:            | 24 V DC  |
| Semiconductor outputs           |  |
| Number of OSSD outputs:         | 2  |
| Number of sig. outputs:         | 1  |
| S/C output short circuit proof: | Yes  |

|                                 |   |
|---------------------------------|---|
| Utilisation cat. to EN 60947-1: | DC-13   |
| Environmental data              |   |
| Ambient temperature standard:   | EN 60068-2-14                                 |
| Ambient temperature:            | -20 - -20 °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:     | 2000 m  |
| EMC to standard ...:            | EN 55011: Class A, EN 60947-5-3, EN 61326-3-1 |
| Vibration to standard ...:      | EN 60068-2-6                                  |
| Acc. shock to standard1:        | 30g   |
| Overvoltage category:           | III   |
| Pollution degree clear.&creep.: | 3   |
| UL enclosure type:              | type 1  |
| Mechanical data                 |   |
| Max. vertical offset:           | 5 mm  |
| Max. angular offset:            | +/-2,0 deg                                    |
| Max. ang. offset round X axis:  | +/-2 deg                                      |
| Max. ang. offset round Y axis:  | +/-2 deg                                      |
| Max. ang. offset round Z axis:  | +/-2 deg                                      |
| Type 2 actuator:                | PSEN sl2-M-VA actuator                        |
| Sensor can be flush-mounted:    | Yes, follow installation guide                |
| Connection type:                | M12, 8-pin male                               |
| Cable lines:                    | LiYY 8 x 0.25 mm <sup>2</sup>                 |
| Product material:               | Coated steel, Plastic, Stainless steel        |
| Housing material upper part:    | PBT   |
| Height dimension:               | 120 mm  |
| Width dimension:                | 45 mm   |
| Depth dimension:                | 44 mm   |

|                                |                              |
|--------------------------------|------------------------------|
| Net weight:                    | 775 g                        |
| Gross weight:                  | 982 g                        |
| Transponder                    |                              |
| Operating frequency:           | 122 kHz - 128 kHz            |
| Environment                    |                              |
| WEEE classification (08/2018): | 5 devices (feed size < 50cm) |
| Commercial data                |                              |
| Harmonized System Code:        | 85365019                     |
| UNSPSC 25:                     | 39122205                     |
| EAN-Code:                      | 4046548092363                |
| ECLASS version:                | ECLASS-13                    |
| ECLASS Reference Feature:      | 27272603                     |
| ETIM Version:                  | ETIM-9.0                     |
| ETIM Reference Group:          | EG000026                     |
| ETIM Reference Feature:        | EC002593                     |
| Volume:                        | 0 dm3                        |

## Obligatory accessories



6N000025

PSEN sl2-M-AL actuator



6N000028

PSEN sl2-M-VA actuator

## Optional accessories



540346

PSEN cable M12-8sf M12-8sm, 1m



540324

PSEN cable angle M12 8-pole 10m



540347

PSEN cable M12-8sf M12-8sm, 1,5m



540325

PSEN cable angle M12 8-pole 30m



540326

PSEN cable axial M12 8-pole 30m



540342

PSEN cable M12-8sf M12-8sm, 10m



540320

PSEN cable axial M12 8-pole 5m



540343

PSEN cable M12-8sf M12-8sm, 20m












540321

PSEN cable axial M12 8-pole 10m



540344

PSEN cable M12-8sf M12-8sm, 30m

|   |          |  |
|---|----------|--|
|    | 540322   | PSEN cable angle M12 8-pole 3m           |
|    | 540345   | PSEN cable M12-8sf M12-8sm, 0,5m         |
|    | 540323   | PSEN cable angle M12 8-pole 5m           |
|  | 570552   | PSEN sl restart interlock (padlock)      |
|  | 570550   | PSEN sl bracket swing door               |
|  | 570551   | PSEN sl bracket sliding door             |
|  | 6N000029 | Adapter/SL/M12-8SMX/M12-8SFX/M12-8SFX/PT |
|  | 380325   | PSEN sl adapter                          |
|  | 540315   | PSEN Y junction M12 SENSOR               |



540338

PSEN Y junction M12-M12/M12 PIGTAIL



540333

PSEN cable M12-8sf, 20m



540312

PSEN screw M5x20 10pcs



540319

PSEN cable axial M12 8-pole 3m



540340

PSEN cable M12-8sf M12-8sm, 2m



540341

PSEN cable M12-8sf M12-8sm, 5m



6N000031

PSEN sl2 Config Key