

## PSEN ml sa 2.1 unit

570432



Safety guard locking device PSENmlock, fully coded, with safety switch and actuator, with guard locking, with automatic reset, 12-pin M12 male connector, 0.23 m cable, series connection

## Technical details

### General data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Approval:                       | CE, UKCA, cULus Listed, FCC, IC, TÜV |
| Sensor principle:               | Transponder                          |
| Coding level to ISO 14119:      | High                                 |
| Classification to EN 60947-5-3: | PDDb                                 |
| Transponder coding:             | fully coded                          |
| Reset type:                     | Automatic reset                      |
| Suitable for series connection: | yes                                  |
| unit type:                      | Unit                                 |

### Technical data

#### Electrical data

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

#### Inputs

|                      |         |
|----------------------|---------|
| Number of inputs:    | 4       |
| DC voltage at input: | 24 V DC |

#### 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-13   |
| Environmental data              |   |
| Ambient temperature standard:   | EN 60068-2-14   |
| Ambient temperature:            | 0 - 0 °C  |
| 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 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  |
| Times                           |   |
| Pulse length lock/unlock req.:  | 350 - 400 ms  |
| Mechanical data                 |   |
| Bend radius (when laying) K1:   | 5 x Ø   |
| Escape release available:       | No  |
| Max. vertical offset:           | +/-3.0 mm   |
| Max. ang. offset round X axis:  | +/-2.0 deg  |
| Max. ang. offset round Y axis:  | +/-2.5 deg  |
| Max. ang. offset round Z axis:  | +/-7.5 deg  |
| Max. offset closing direction:  | +/-2 mm   |
| Type 1 actuator:                | PSEN ml 2.1   |
| Connection type:                | M12, 12-pin male  |
| Cable lines:                    | LiYY 12 x 0.25 mm <sup>2</sup>                            |
| Product material:               | Zn, Aluminium, Galvanised steel, Stainless steel, Plastic |

|                                |                              |
|--------------------------------|------------------------------|
| Height dimension:              | 217.2 mm                     |
| Width dimension:               | 40 mm                        |
| Depth dimension:               | 40 mm                        |
| Net weight:                    | 1100 g                       |
| Gross weight:                  | 1450 g                       |
| <b>Transponder</b>             |                              |
| Operating frequency:           | 122 kHz - 128 kHz            |
| <b>Environment</b>             |                              |
| WEEE classification (08/2018): | 5 devices (feed size < 50cm) |
| <b>Commercial data</b>         |                              |
| Harmonized System Code:        | 85365019                     |
| UNSPSC 25:                     | 39122205                     |
| EAN-Code:                      | 4046548098198                |
| ECLASS version:                | ECLASS-13                    |
| ECLASS Reference Feature:      | 27272603                     |
| ETIM Version:                  | ETIM-9.0                     |
| ETIM Reference Group:          | EG000026                     |
| ETIM Reference Feature:        | EC002593                     |
| Volume:                        | 0 dm <sup>3</sup>            |

## Optional accessories












540346

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



540347

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

|   |        |                                     |
|---|--------|-------------------------------------|
|    | 540342 | PSEN cable M12-8sf M12-8sm, 10m     |
|    | 540343 | PSEN cable M12-8sf M12-8sm, 20m     |
|    | 540344 | PSEN cable M12-8sf M12-8sm, 30m     |
|   | 570358 | PSEN cable M12-12sf/M12-12sm 2m     |
|  | 540345 | PSEN cable M12-8sf M12-8sm, 0,5m    |
|  | 570359 | PSEN cable M12-12sf/M12-12sm 3m     |
|  | 570356 | PSEN cable M12-12sf 50m             |
|  | 570357 | PSEN cable M12-12sf/M12-12sm 1m     |
|  | 570475 | PSEN ml escape release cordset 4,0m |



570354

PSEN cable M12-12sf 20m

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570355

PSEN cable M12-12sf 30m

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570473

PSEN ml escape release cordset 3,0m

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570352

PSEN cable M12-12sf 5m

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570474

PSEN ml escape release cordset 3,5m

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570353

PSEN cable M12-12sf 10m

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570471

PSEN ml escape release cordset 2,0m

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570350

PSEN cable M12-12sf 2m

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570472

PSEN ml escape release cordset 2,5m

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|---|--------|----------------------------------|
|    | 570351 | PSEN cable M12-12sf 3m           |
|    | 570360 | PSEN cable M12-12sf/M12-12sm 5m  |
|    | 540333 | PSEN cable M12-8sf, 20m          |
|   | 570489 | PSEN ml / PSENcs Y junction M12  |
|  | 570486 | PSEN ml Y junction M12           |
|  | 570487 | PSEN ml end adapter              |
|  | 570484 | PSEN ml actuator 10° adapter     |
|  | 570485 | PSEN ml actuator center ring     |
|  | 570361 | PSEN cable M12-12sf/M12-12sm 10m |



570362

PSEN cable M12-12sf/M12-12sm 20m



570491

PSEN ml / PDP67 Y junction PR



570492

PSEN ml bracket sliding door



570490

PSEN ml mounting plate



540340

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



540341

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



540326

PSEN cable axial M12 8-pole 30m



540320

PSEN cable axial M12 8-pole 5m



540321

PSEN cable axial M12 8-pole 10m



570499

PSEN screw set bracket sliding door



570497

PSEN ml door handle swinging door 80



570498

PSEN screw set bracket swinging door



570495

PSEN ml door handle sliding door



570496

PSEN ml door handle swinging door 70



570493

PSEN ml bracket swinging door 70



570494

PSEN ml bracket swinging door 80



C1000059

Adapter/ML/M12-5SMX/M12-5SMX/M12-8SFX/XX



570468

PSEN ml escape release cordset 1,0m





570469

PSEN ml escape release cordset 1,25m

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570466

PSEN ml escape release cordset 0,5m

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570467

PSEN ml escape release cordset 0,75m

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