



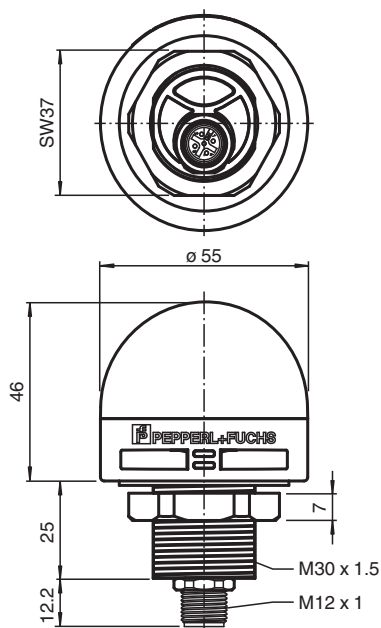
## IO-Link signal light ICA-SB-MCS-55MM-IO-V1

- IO-Link interface
- M12 plug connection
- Compact signal light with a diameter of 55 mm
- Over 1 million colors configurable
- Built-in siren (85 dB)

IO-Link signal light with siren



### Dimensions



### Technical Data

#### General specifications

|             |                                                                                                                  |  |
|-------------|------------------------------------------------------------------------------------------------------------------|--|
| Light type  | LED<br>Light color: MC > 1 000 000 colors, configurable via IO-Link<br>Signal patterns: blink, flash, continuous |  |
| Signal type | Multi-tone, 10 tones, adjustable<br>Volume max. 85 dB at a distance of 1 m Volume adjustable                     |  |
| Color       | black                                                                                                            |  |
| Frequency   | Flash frequency can be configured                                                                                |  |

#### Electrical specifications

|                         |                |                                                  |
|-------------------------|----------------|--------------------------------------------------|
| Insulation voltage      | U <sub>i</sub> | U <sub>i</sub> = 50 V / U <sub>imp</sub> = 330 V |
| Rated operating voltage | U <sub>e</sub> | 24 V DC ± 20 %                                   |
| Rated operating current | I <sub>e</sub> | 55 mA                                            |
| Surge protection        | Category I     |                                                  |
| Inrush current          | 350 mA         |                                                  |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## Technical Data

### Interface

|                  |  |                                                        |
|------------------|--|--------------------------------------------------------|
| Interface type   |  | IO-Link ( via C/Q = pin 4 )                            |
| IO-Link revision |  | 1.1                                                    |
| Device profile   |  | Identification and Diagnosis - I&D<br>Firmware update  |
| Process data     |  | Outputs 8 Byte<br>- light = 6 Byte<br>- Sound = 2 Byte |
| Vendor ID        |  | 1 (0x0001)                                             |
| Device ID        |  | 983842 (0x0F0322)                                      |
| Transfer rate    |  | COM2 (38.4 kBit/s)                                     |
| Min. cycle time  |  | 5 ms                                                   |
| SIO mode support |  | no                                                     |

### Directive conformity

|                               |  |                                                                         |
|-------------------------------|--|-------------------------------------------------------------------------|
| Electromagnetic compatibility |  |                                                                         |
| Directive 2014/30/EU          |  | EN 61000-6-2:2005-08<br>EN 61000-6-4:2007-01<br>EN 61000-6-4/A1:2011-02 |

### Standard conformity

|                         |  |                                                 |
|-------------------------|--|-------------------------------------------------|
| Communication interface |  | IEC 61131-9 / IO-Link V1.1.3                    |
| Emitted interference    |  | EN 61000-6-4:2007-01<br>EN 61000-6-4/A1:2011-02 |

### Ambient conditions

|                     |  |                               |
|---------------------|--|-------------------------------|
| Ambient temperature |  | -20 ... 50 °C (-4 ... 122 °F) |
| Pollution degree    |  | 3 (2 in connection area)      |

### Mechanical specifications

|                          |  |                                                 |
|--------------------------|--|-------------------------------------------------|
| Degree of protection     |  | IP65 / IP69K                                    |
| Protection class         |  | 3                                               |
| Material                 |  | PC                                              |
| Installation             |  | Recessed luminaire                              |
| Mass                     |  | 66 g                                            |
| Dimensions               |  |                                                 |
| Height                   |  | 71 mm                                           |
| Diameter                 |  | 55 mm                                           |
| Connection possibilities |  | M12 plug, 4-pin                                 |
| Life span                |  | Optical: max. 50,000 h<br>Acoustic: min. 5000 h |