



## ASIM-C-M12-4P-0,5M

- Compact Safety-Input module
- Integrated in the passive junction
- for 2 potential-free NC contacts
- Protection class IP67

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661441047 |
| eCl@ss number, Version 9.0    | 27-24-26-04   |
| eCl@ss number, Version 11.0   | 27-24-26-04   |
| ETIM number, version 6.0      | EC001599      |

### Approval - Standards

|              |              |
|--------------|--------------|
| Certificates | TÜV<br>cULus |
|--------------|--------------|

### General data

|                        |                                                      |
|------------------------|------------------------------------------------------|
| Standards              | EN 50295<br>EN 60204-1<br>EN 62061<br>EN ISO 13849-1 |
| Enclosure material     | Thermoplastic PBT                                    |
| Gross weight           | 98 g                                                 |
| Reaction time, maximum | 1 ms                                                 |

|                           |      |
|---------------------------|------|
| Duration of risk, maximum | 5 ms |
|---------------------------|------|

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Safety functions                    | Yes |
| Integral System Diagnostics, status | Yes |

### Safety appraisal

|                                                            |            |
|------------------------------------------------------------|------------|
| Standards                                                  | EN 62061   |
| Performance level, up to                                   | e          |
| Control category to EN13849                                | 4          |
| Safety Integrity Level (SIL), suitable for applications in | 3          |
| Mission Time                                               | 20 Year(s) |

### Mechanical data - Connection technique

|                       |                                 |
|-----------------------|---------------------------------|
| Terminal Connector    | Connector, M12, 4-pole, A-coded |
| Length of cable       | 0.5 m                           |
| Material of the cable | Polyurethane PUR                |

### Mechanical data - Dimensions

|        |         |
|--------|---------|
| Width  | 27.7 mm |
| Height | 40.5 mm |
| Depth  | 22 mm   |

### Ambient conditions

|                              |                  |
|------------------------------|------------------|
| Degree of protection         | IP67 to EN 60529 |
| Ambient temperature, minimum | -20 °C           |

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| Ambient temperature, maximum               | +60 °C                          |
| Storage and transport temperature, minimum | -25 °C                          |
| Storage and transport temperature, maximum | +80 °C                          |
| Relative humidity, minimum                 | 30 %                            |
| Relative humidity, maximum                 | 95 %                            |
| Note (Relative humidity)                   | non-condensing<br>non-icing     |
| Resistance to vibrations to EN 60068-2-6   | 10 ... 57 Hz, amplitude 0.75 mm |
| Resistance to shock                        | 30 g / 11 ms                    |
| Protection rating                          | III                             |

### Ambient conditions - Insulation value

|                                           |        |
|-------------------------------------------|--------|
| Rated insulation voltage $U_i$            | 32 VDC |
| Rated impulse withstand voltage $U_{imp}$ | 0.8 kV |
| Overvoltage category                      | III    |
| Degree of pollution to VDE 0100           | 3      |

### Electrical data - AS Interface

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| AS-i Operating voltage, minimum     | 26.5 VDC                             |
| AS-i Operating voltage AS-i maximum | 31.6 VDC                             |
| Note (AS-i Operating voltage)       | Protection against polarity reversal |
| AS-i Current consumption, maximum   | 90 mA                                |

### Electrical data - AS-Interface specification

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| AS-i Version          | V 3.0                                             |
| AS-i Profile          | S-0.B.F.0                                         |
| AS-i Input, Channel 1 | Data bits DI 0 / DI 1 = dynamic code transmission |
| AS-i Input, Channel 2 | Data bits DI 2 / DI 3 = dynamic code transmission |

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| AS-i Outputs, DO 0               | No Function                                                                                         |
| AS-i Outputs, DO 1 ... DO 3      | No Function                                                                                         |
| AS-i Parameter bits, P0          | Communication monitoring AS-i                                                                       |
| AS-i Parameter bits, P1 ... P3   | No function                                                                                         |
| Note (AS-i Parameter bits)       | Set the parameter outputs to "1111" (0xF)                                                           |
| AS-i Input module address        | 0                                                                                                   |
| Note (AS-i Input module address) | Preset to address 0, can be changed through AS-interface bus master or hand-held programming device |

## Status indication

|                                         |                                                                                                                                                                                                                                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note (LED switching conditions display) | (1) green LED (AS-i LED): AS-i supply voltage / Slave address = 0<br>(2) red LED: AS-i communication error / Slave address = 0<br>(3) yellow LED: I1 = Status safety input 1<br>(4) yellow LED: I2 = Status safety input 2<br>(5) LED yellow: - |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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