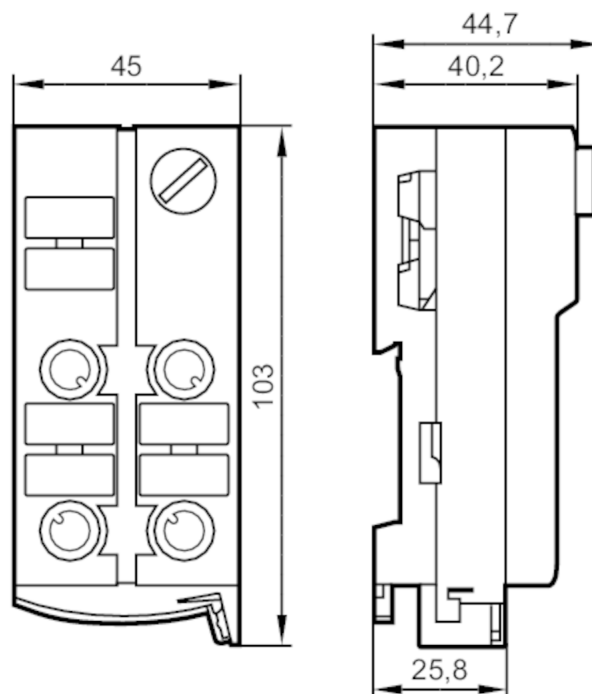


# AC507A



## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 2DI 2DO-Y II 3D



### Electrical data

|                                    |      |                |
|------------------------------------|------|----------------|
| Operating voltage                  | [V]  | 26.5...31.6 DC |
| Max. current consumption from AS-i | [mA] | 150            |
| Max. current load total            | [A]  | 4              |
| Integrated watchdog                |      | yes            |

### Inputs / outputs

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Number of inputs and outputs | Number of digital inputs: 2; Number of digital outputs: 2 |
|------------------------------|-----------------------------------------------------------|

### Inputs

|                                                 |      |                           |
|-------------------------------------------------|------|---------------------------|
| Number of digital inputs                        |      | 2                         |
| Input circuit of digital inputs                 |      | PNP                       |
| voltage supply                                  | [V]  | 18...30; (via flat cable) |
| Max. total current rating of inputs             | [mA] | 100                       |
| Input current High                              | [mA] | 6...10                    |
| Input current Low                               | [mA] | 0...2                     |
| Min. switching level high signal                | [V]  | 11                        |
| Digital inputs protected against short circuits |      | yes                       |
| Sensor supply of the inputs                     |      | AS-i                      |



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| Outputs                           |                                                                                                                    |     |             |       |           |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|-----|-------------|-------|-----------|
| Number of digital outputs         | 2                                                                                                                  |     |             |       |           |
| Beschaltung                       | PNP                                                                                                                |     |             |       |           |
| Voltage range DC                  | 15...30; (to PELV; via flat cable)                                                                                 |     |             |       |           |
| Max. current load per output [mA] | 2000; (utilisation category DC-13 (control of electromagnets): 40 W (IEC 60947-5-1))                               |     |             |       |           |
| Short-circuit proof               | yes                                                                                                                |     |             |       |           |
| Electrically separated            | yes                                                                                                                |     |             |       |           |
| Operating conditions              |                                                                                                                    |     |             |       |           |
| Ambient temperature [°C]          | -10...50                                                                                                           |     |             |       |           |
| Protection                        | IP 50                                                                                                              |     |             |       |           |
| Tests / approvals                 |                                                                                                                    |     |             |       |           |
| ATEX marking                      |  II 3D Ex tc IIIB T80°C Dc X IP50 |     |             |       |           |
| EMC                               | EN 50295                                                                                                           |     |             |       |           |
|                                   | IEC 61000-6-2                                                                                                      |     |             |       |           |
| MTTF [years]                      | 188                                                                                                                |     |             |       |           |
| AS-i classification               |                                                                                                                    |     |             |       |           |
| AS-i version                      | 2.11 + 3.0                                                                                                         |     |             |       |           |
| AS-i addressing                   | addressing socket                                                                                                  |     |             |       |           |
| Extended addressing mode possible | no                                                                                                                 |     |             |       |           |
| AS-i profile                      | S-3.0.E                                                                                                            |     |             |       |           |
| AS-i I/O configuration [hex]      | 3                                                                                                                  |     |             |       |           |
| AS-i ID code [hex]                | 0.E                                                                                                                |     |             |       |           |
| AS-i certificate pending          | yes                                                                                                                |     |             |       |           |
| Assignment of the data bits       | data bit                                                                                                           | D0  | D1          | D2    | D3        |
|                                   | input                                                                                                              | 1   | 2           | -     | -         |
|                                   | socket                                                                                                             | I-1 | I-2         | -     | -         |
|                                   | pin                                                                                                                | 2+4 | 2+4         | -     | -         |
|                                   | Output                                                                                                             | -   | -           | 3     | 4         |
|                                   | socket                                                                                                             | -   | -           | O-3/4 | O-3/4 O-4 |
|                                   | pin                                                                                                                | -   | -           | 4     | 2 4       |
| Mechanical data                   |                                                                                                                    |     |             |       |           |
| Weight [g]                        | 240                                                                                                                |     |             |       |           |
| Type of mounting                  | AS-i flat cables directly connectable                                                                              |     |             |       |           |
| Materials                         | PA; piercing contacts: CuSn6 nickel-plated and tin-plated;                                                         |     |             |       |           |
| Displays / operating elements     |                                                                                                                    |     |             |       |           |
| Display                           | operation                                                                                                          |     | LED, green  |       |           |
|                                   | errors                                                                                                             |     | LED, red    |       |           |
|                                   | function                                                                                                           |     | LED, yellow |       |           |
| Accessories                       |                                                                                                                    |     |             |       |           |
| Accessories (supplied)            | lower part                                                                                                         |     |             |       |           |
| Accessories (optional)            | Protective cap: M12, E73004                                                                                        |     |             |       |           |
|                                   | Impact protection housing, E7000A                                                                                  |     |             |       |           |

AC507A

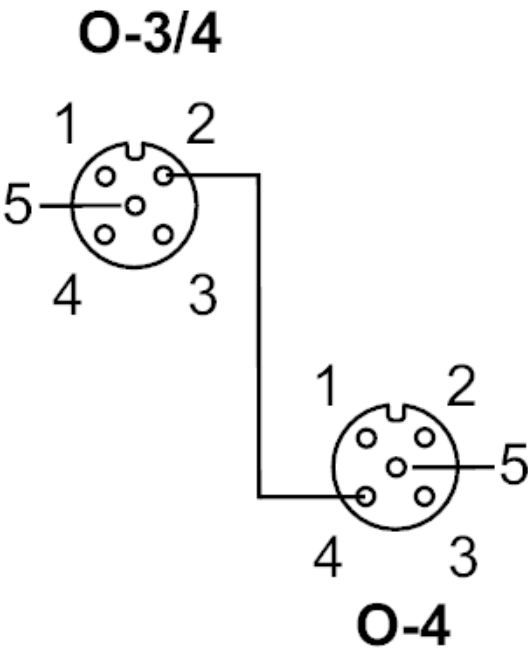


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| Remarks       |                                                                                            |
|---------------|--------------------------------------------------------------------------------------------|
| Remarks       | Mechanical protection has to be implemented.                                               |
|               | Otherwise the unit must be installed together with the impact protection housing (E7000A). |
|               | Inputs and outputs must be electrically isolated.                                          |
|               | Do not connect any of the following points to an external potential:                       |
|               | I-, I+, I1, I2                                                                             |
| Pack quantity | The connections are electrically connected with the AS-i cable.                            |
|               | 1 pcs.                                                                                     |

| Electrical connection                                                        |
|------------------------------------------------------------------------------|
| quick mounting technology for AS-i flat cable: ; three orientations possible |
| Electrical connection - Outputs                                              |
| Connection                                                                   |





## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 2DI 2DO-Y II 3D

| Outputs      |                        |
|--------------|------------------------|
| socket O-3/4 |                        |
| 1            | not used               |
| 2            | switching output 4     |
| 3            | external voltage AUX - |
| 4            | switching output 3     |
| 5            | not used               |
| socket O-4   |                        |
| 1            | not used 4             |
| 2            | not used               |
| 3            | external voltage AUX - |
| 4            | switching output 4     |
| 5            | not used               |

Connector: M12

### Electrical connection - Inputs

| Inputs |                               |
|--------|-------------------------------|
| 1      | Sensor supply L+              |
| 2+4    | data input internally bridged |
| 3      | Sensor supply L-              |
| 5      | not used                      |

Connector: M12

