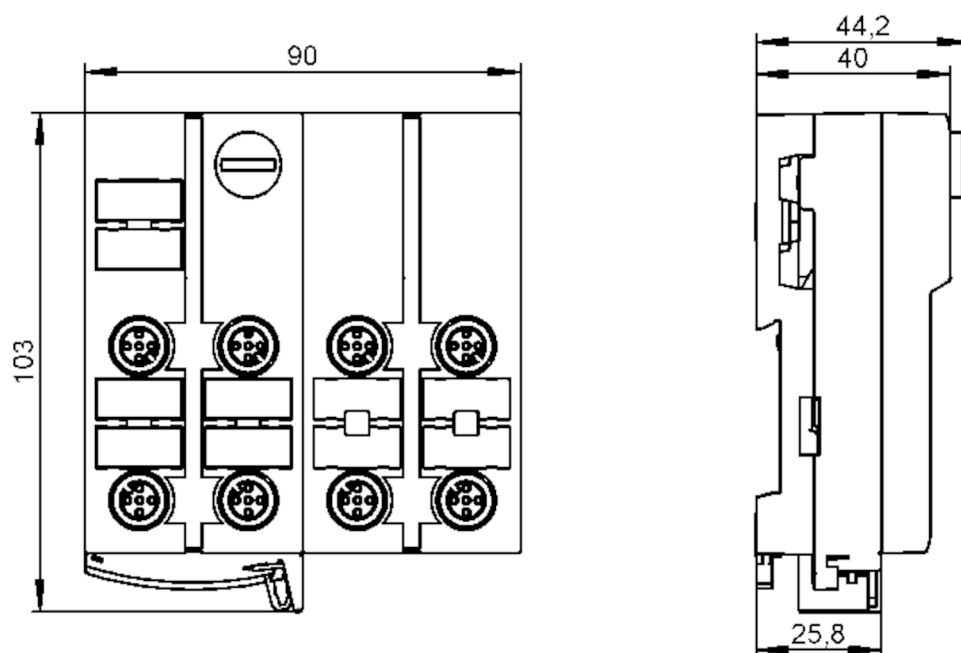


## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y

Article no longer available - archive entry



### Electrical data

|                                    |      |                |
|------------------------------------|------|----------------|
| Operating voltage                  | [V]  | 26.5...31.6 DC |
| Max. current consumption from AS-i | [mA] | 290            |
| Max. current load total            | [A]  | 4              |
| Integrated watchdog                |      | yes            |

### Inputs / outputs

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Number of inputs and outputs | Number of digital inputs: 4; Number of digital outputs: 4 |
|------------------------------|-----------------------------------------------------------|

### Inputs

|                                                 |      |                           |
|-------------------------------------------------|------|---------------------------|
| Number of digital inputs                        |      | 4; (bidirectional)        |
| Input circuit of digital inputs                 |      | PNP                       |
| Sensor supply of the inputs                     |      | AS-i                      |
| Power supply                                    | [V]  | 18...30; (via flat cable) |
| Max. total current rating of inputs             | [mA] | 240                       |
| Input current High                              | [mA] | 6...10                    |
| Input current Low                               | [mA] | 0...2                     |
| Switching level high                            | [V]  | > 11                      |
| Digital inputs protected against short circuits |      | yes                       |



## AS-Interface ClassicLine module with quick mounting technology

## ClassicLine 4DI-Y 4DO-Y

## Outputs

|                                   |                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------|
| Electrical design                 | AS-i                                                                                 |
| Number of digital outputs         | 4                                                                                    |
| Circuit                           | PNP                                                                                  |
| Voltage range DC [V]              | 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] | -25...50 |
| Protection          |      | IP 67    |

## Tests / approvals

|     |               |  |
|-----|---------------|--|
| EMC | EN 50295      |  |
|     | IEC 61000-6-2 |  |

### AS-i classification

|                              |                   |       |           |       |           |
|------------------------------|-------------------|-------|-----------|-------|-----------|
| AS-i version                 | 3.0               |       |           |       |           |
| AS-i addressing              | addressing socket |       |           |       |           |
| Extended addressing mode     | yes               |       |           |       |           |
| AS-i profile                 | S-7.A.7           |       |           |       |           |
| AS-i I/O configuration [hex] | 7                 |       |           |       |           |
| AS-i ID code [hex]           | A.7               |       |           |       |           |
| Assignment of the data bits  | data bit          | D0    | D1        | D2    | D3        |
|                              | input             | 1     | 2         | 3     | 4         |
|                              | socket            | I-1/2 | I-1/2 I-2 | I-3/4 | I-3/4 I-4 |
|                              | pin               | 4     | 2 4       | 4     | 2 4       |
|                              | Output            | 1     | 2         | 3     | 4         |
|                              | socket            | O-1/2 | O-1/2 O2  | O-3/4 | O-3/4 O-4 |
|                              | pin               | 4     | 2 4       | 4     | 2 4       |

## Mechanical data

|                  |     |                                                           |
|------------------|-----|-----------------------------------------------------------|
| Weight           | [g] | 307                                                       |
| 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

|                        |                             |
|------------------------|-----------------------------|
| Items supplied         | lower part                  |
| Accessories (optional) | Protective cap: M12, E73004 |

## Remarks

|         |                                                                      |
|---------|----------------------------------------------------------------------|
| Remarks | Inputs and outputs must be electrically isolated.                    |
|         | Do not connect any of the following points to an external potential: |
|         | I-, I+, I1, I2, I3, I4                                               |
|         | The connections are electrically connected with the AS-i cable.      |
|         | operating voltage "supply class 2" according to cULus                |



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y

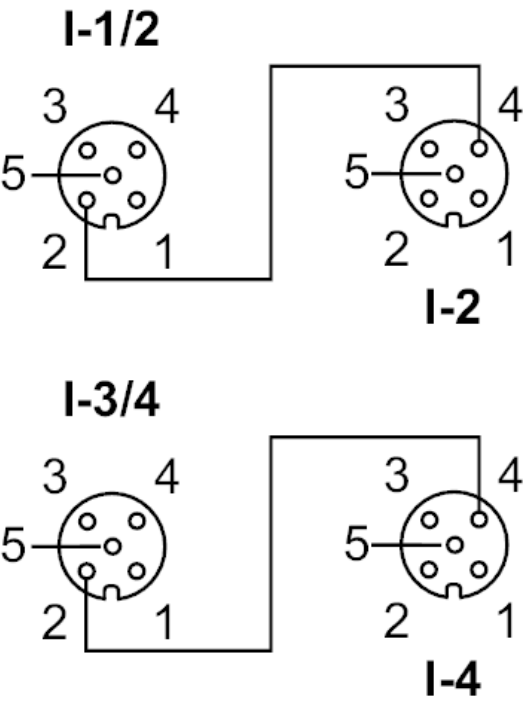
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

quick mounting technology for AS-i flat cable: ; three orientations possible

Electrical connection - Inputs

Connection



Connector: 4 x M12

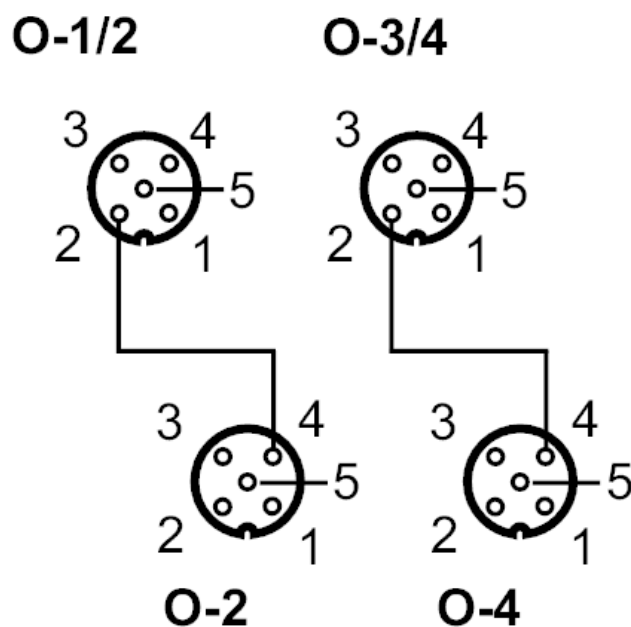
|   |                  |
|---|------------------|
| 1 | Sensor supply L+ |
| 3 | Sensor supply L- |

## AS-Interface ClassicLine module with quick mounting technology

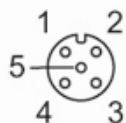
ClassicLine 4DI-Y 4DO-Y

### Electrical connection - Outputs

#### Connection



Connector: 4 x M12; coding: A



3 external voltage -  
4 switching output +