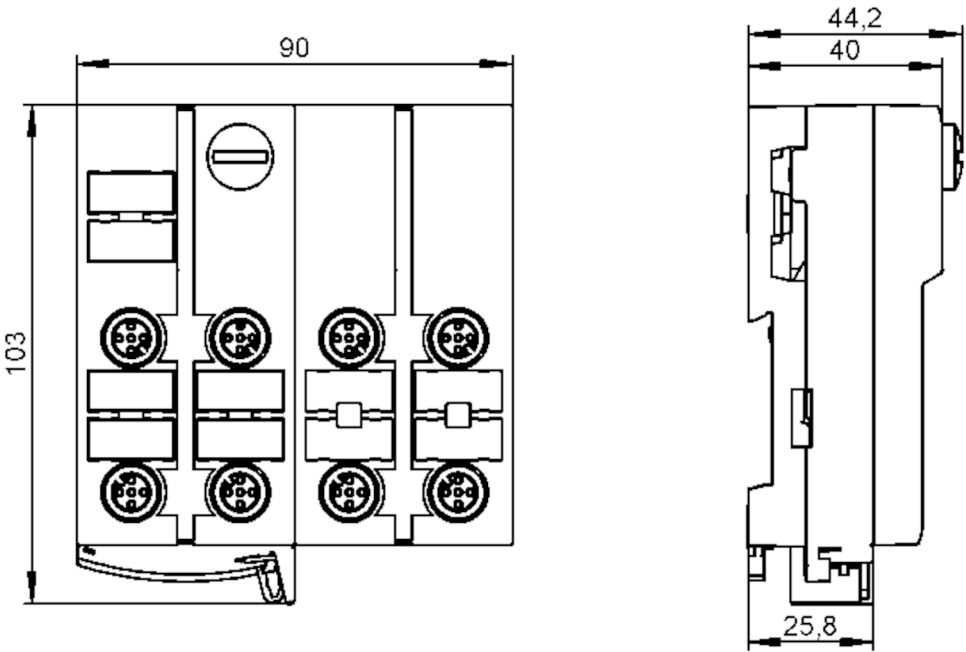




AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y AUX 4DO-Y



| Application                         |      |                                                           |
|-------------------------------------|------|-----------------------------------------------------------|
| Design                              |      | only for operation with AS-i masters with the profile M4  |
| Application                         |      | field installation                                        |
| Electrical data                     |      |                                                           |
| Operating voltage                   | [V]  | 26.5...31.6 DC; ("supply class 2" to cULus)               |
| Max. current consumption from AS-i  | [mA] | 30                                                        |
| Max. current load total             | [A]  | 3                                                         |
| 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                                                         |
| Input circuit of digital inputs     |      | PNP                                                       |
| Sensor supply of the inputs         |      | AUX                                                       |
| Power supply                        | [V]  | 20...30; (via flat cable)                                 |
| Max. total current rating of inputs | [mA] | 1000                                                      |
| Input current High                  | [mA] | 6...10                                                    |
| Input current Low                   | [mA] | 0...2                                                     |
| Switching level high                | [V]  | > 11                                                      |
| Electrically separated              |      | yes                                                       |



## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y AUX 4DO-Y

|                                                 |     |
|-------------------------------------------------|-----|
| Digital inputs protected against short circuits | yes |
|-------------------------------------------------|-----|

| Outputs                           |                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------|
| Number of digital outputs         | 4                                                                                    |
| Circuit                           | PNP                                                                                  |
| Voltage range DC [V]              | 20...30; (to PELV; via flat cable)                                                   |
| Max. current load per output [mA] | 1000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1)) |
| Short-circuit proof               | yes                                                                                  |
| Electrically separated            | yes                                                                                  |
| Actuator supply outputs           | AUX                                                                                  |

| Operating conditions     |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...70 |
| 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 master profile          | M4                |       |           |       |           |
| 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]       | 289                                                       |
| 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 Voltage AUX > 7 V |
|                               | errors    | LED, red AUX 15 V ± 2 V      |
|                               | function  | LED, yellow                  |

| Electrical connection |             |
|-----------------------|-------------|
| Module connection     | Flat cables |

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

# AC5293



## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y AUX 4DO-Y

### Remarks

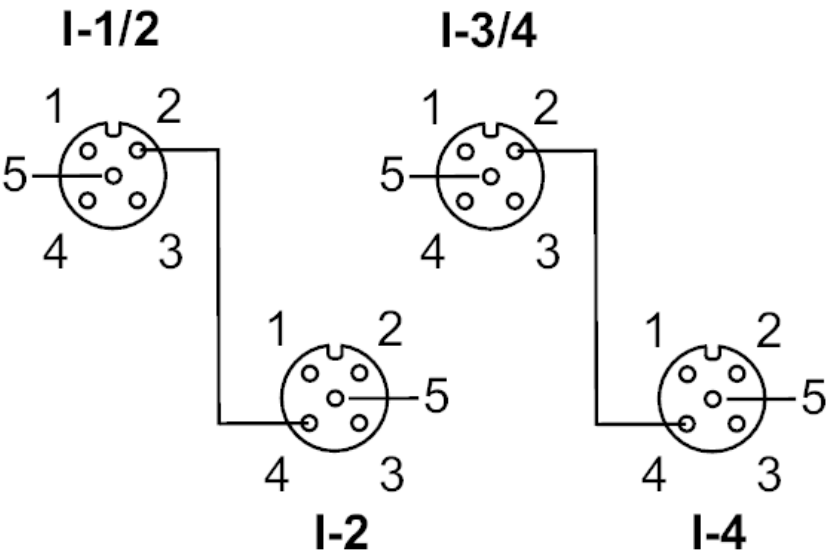
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

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

### Electrical connection - Inputs

#### Connection





AS-Interface ClassicLine module with quick mounting technology

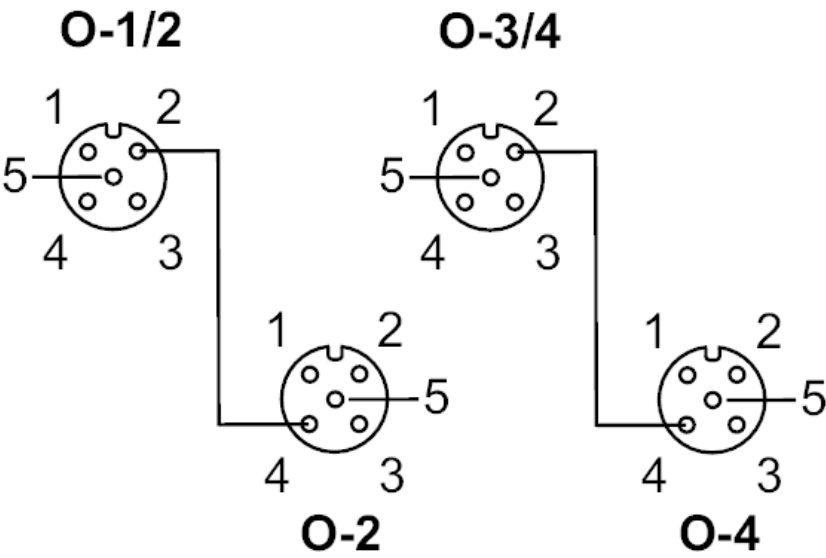
ClassicLine 4DI-Y AUX 4DO-Y

Connector: M12

|   |                  |
|---|------------------|
|   | Inputs           |
|   | socket I-1/2     |
| 1 | Sensor supply L+ |
| 2 | data input 2     |
| 3 | Sensor supply L- |
| 4 | data input 1     |
| 5 | not used         |
|   | socket I-2       |
| 1 | Sensor supply L+ |
| 2 | not used         |
| 3 | Sensor supply L- |
| 4 | data input 2     |
| 5 | not used         |
|   | socket I-3/4     |
| 1 | power supply L+  |
| 2 | data input 4     |
| 3 | Sensor supply L- |
| 4 | data input 3     |
| 5 | not used         |
|   | socket I-4       |
| 1 | Sensor supply L+ |
| 2 | not used         |
| 3 | Sensor supply L- |
| 4 | data input 4     |
| 5 | not used         |

Electrical connection - Outputs

Connection





AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y AUX 4DO-Y

Connector: M12

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