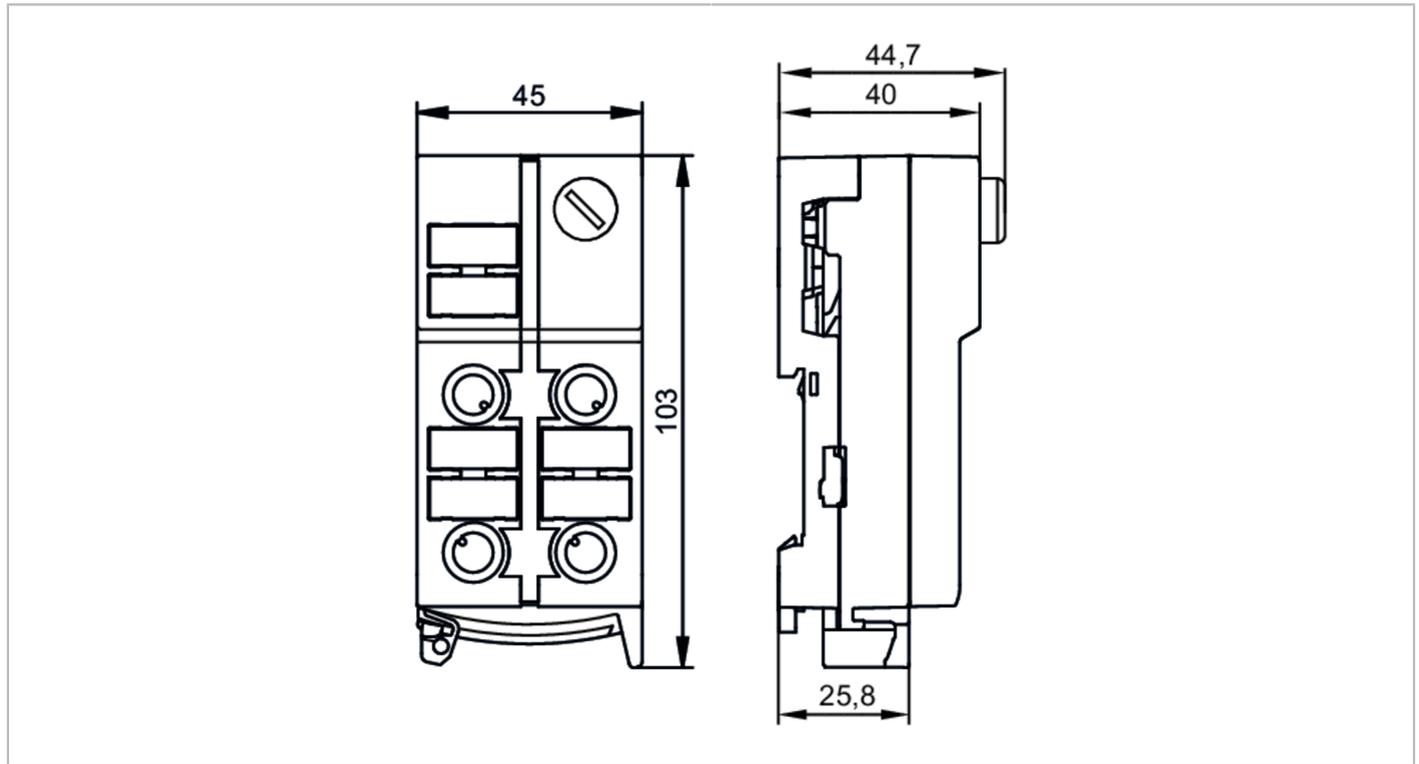# AC515A

## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y II 3D



| Application | |
|---|---|
| Application | AS-i ATEX module |

| Electrical data | | |
|---|---|---|
| Operating voltage | [V] | 26.5...31.6 DC |
| Max. current consumption from AS-i | [mA] | 250 |

| Inputs / outputs | |
|---|---|
| Number of inputs and outputs | Number of digital inputs: 4 |

| Inputs | | |
|---|---|---|
| Number of digital inputs | | 4 |
| 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] | 200 |
| Input current High | [mA] | 6...10 |
| Input current Low | [mA] | 0...2 |
| Switching level high | [V] | > 11 |
| Digital inputs protected against short circuits | | yes |

| Operating conditions | | |
|---|---|---|
| Ambient temperature | [°C] | -10...50 |
| Protection | | IP 50 |

# AC515A

## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y II 3D

| Tests / approvals | | | | | |
|---|---|---|---|---|---|
| ATEX marking | | II 3D Ex tc IIIB T80°C Dc X IP50 | | | |
| EMC | | EN 50295 | | | |
| | | IEC 61000-6-2 | | | |
| MTTF [years] | | 405 | | | |

| AS-i classification | | | | | |
|---|---|---|---|---|---|
| AS-i version | | 2.11; 3.0 | | | |
| AS-i addressing | | addressing socket | | | |
| Extended addressing mode | | yes | | | |
| AS-i master profile | | M2; M3; M4 | | | |
| AS-i profile | | S-0.A.E | | | |
| AS-i I/O configuration [hex] | | 0 | | | |
| AS-i ID code [hex] | | A.E | | | |
| AS-i certificate pending | | yes | | | |
| 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 |

| Mechanical data | |
|---|---|
| Weight [g] | 230.5 |
| Housing | housing for DIN rail mounting |
| 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 |

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

| Accessories | |
|---|---|
| Items supplied | lower part |
| Accessories (optional) | Protective cap: M12, E73004 |
| | Impact protection housing:, E7000A |

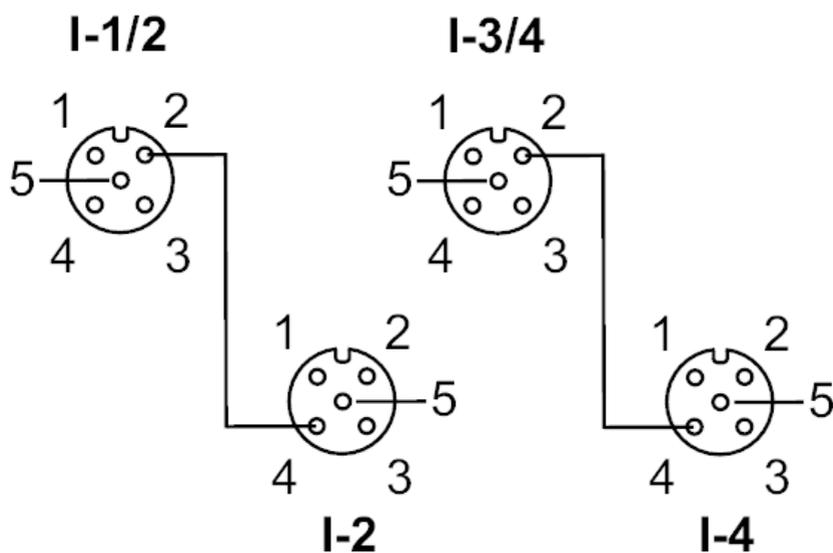| Remarks | |
|---|---|
| Remarks | Mechanical protection has to be implemented. |
| | Otherwise the unit must be installed together with the impact protection housing (E7000A). |
| | Do not connect any of the following points to an external potential: |
| | I-, I+, I-1/2, I-2, I-3/4, I-4 |
| | The connections are electrically connected with the AS-i cable. |
| Pack quantity | 1 pcs. |

# AC515A

**AS-Interface ClassicLine module with quick mounting technology**
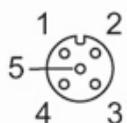
ClassicLine 4DI-Y II 3D

## Electrical connection

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

Connection



Connector:  M12; coding: A

# AC515A

## AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y II 3D

| Connection | | |
| --- | --- | --- |
| | 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 | |