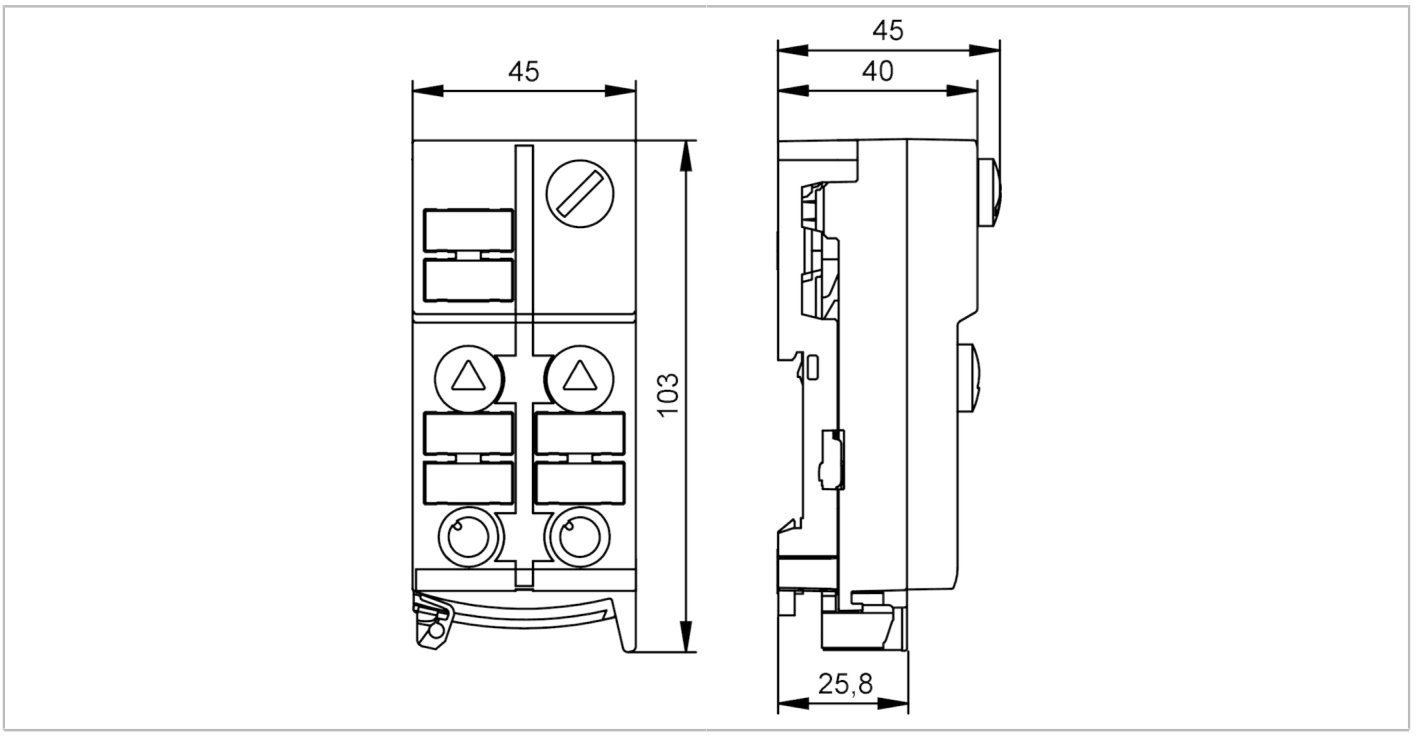
# AC505S

## Safe AS-Interface ClassicLine module with quick mounting technology

ClassicLine 2SI 2LO




| | | |
|---|---|---|
| **Application** | | |
| Design | | housing for DIN rail mounting |
| Application | | AS-i Safety at Work |
| **Electrical data** | | |
| Operating voltage | [V] | 26.5...31.6 DC;  ("supply class 2" to cULus) |
| Max. current consumption from AS-i | [mA] | 280 |
| Integrated watchdog | | yes |
| **Inputs / outputs** | | |
| Number of inputs and outputs | | Number of digital inputs: 2 |
| **Inputs** | | |
| Number of digital inputs | | 2;  (2 x safety input) |
| Input circuit of digital inputs | | PNP/NPN |
| Sensor supply of the inputs | | AS-i |
| Voltage supply | [V] | 18...30 |
| Max. total current rating of inputs | [mA] | 200 |
| Input current High | [mA] | 12 |
| Input current Low | [mA] | 12 |
| Short-circuit detection | | yes |
| Cross-fault monitoring | | yes |
| Short-circuit proof | | yes |
| **Outputs** | | |
| Output signal | | LED: signals |

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| | | | |
|---|---|---|---|
| Actuator supply outputs | | AS-i | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...55 | |
| Max. height above sea level | [m] | 2000 | |
| Protection | | IP 67 | |
| Pollution degree | | 2 | |
| **Tests / approvals** | | | |
| EMC | | EN 62026-2 | |
| **Safety classification** | | | |
| Complies with the requirements | | ISO 13849-1 category 4, PL e | |
| | | IEC 61508 SIL 3 | |
| Mission time TM (additional indication) | | 20 years | |
| PFH | [1/h] | 1,3E-11 | |
| **AS-i classification** | | | |
| AS-i version | | 2.11; 3.0 | |
| AS-i addressing | | addressing socket | |
| Extended addressing mode | | no | |
| AS-i master profile | | M3; M4 | |
| AS-i profile | | S-7.B.0 | |
| AS-i I/O configuration | [hex] | 7 | |
| AS-i ID code | [hex] | B.0 | |
| AS-i certificate | | 97101 | |
| **Mechanical data** | | | |
| Weight | [g] | 287 | |
| Housing | | rectangular | |
| Type of mounting | | AS-i flat cables directly connectable; mounting on DIN rail; (TH35 (EN 60715)) | |
| Dimensions | [mm] | 103 x 45 x 44.7 | |
| Materials | | housing: PA; piercing contacts: CuSn6 nickel-plated and tin-plated | |
| **Displays / operating elements** | | | |
| Display | | operation | 1 x LED, green |
| | | errors | 1 x LED, red |
| | | switching status | 1 x LED, yellow |
| | | alarm | 1 x LED, red |
| **Electrical connection** | | | |
| Module connection | | Flat cables | |
| **Accessories** | | | |
| Items supplied | | lower part | |
| Accessories (optional) | | Addressing cable:, E70213 | |
| | | Protective cap: M12, E73004 | |
| **Remarks** | | | |
| Remarks | | PL e, cat. 4, SIL 3 only if the fault exclusions described in the manual are used | |
| Pack quantity | | 1 pcs. | |

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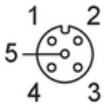
ClassicLine 2SI 2LO

### Electrical connection

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

### Electrical connection - socket SI-1/2

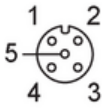
Connector: 1 x M12; coding: A; Contacts: 4; Maximum cable length: 10 m




| | | |
|---|---|---|
| 1 (l+) | L+ | |
| 2 (IN1 (p)) | IN | DI (I-1 (p)) |
| 3 (l-) | L- | |
| 4 (IN2 (n)) | IN | DI (I-2(n); internally bridged socket SI-2 pin 1) |
| 5 | n.c. | |

### Electrical connection - socket SI-2

Connector: 1 x M12; coding: A; Contacts: 3; Maximum cable length: 10 m




| | | |
|---|---|---|
| 1 (IN2 (n)) | IN | DI (I-2(n); internally bridged socket SI-1/2 pin 4) |
| 2 (l-) | L- | |
| 3 | n.c. | |
| 4 (l+) | L+ | |
| 5 | n.c. | |

DI: digital input; IN: input; n.c.: not used