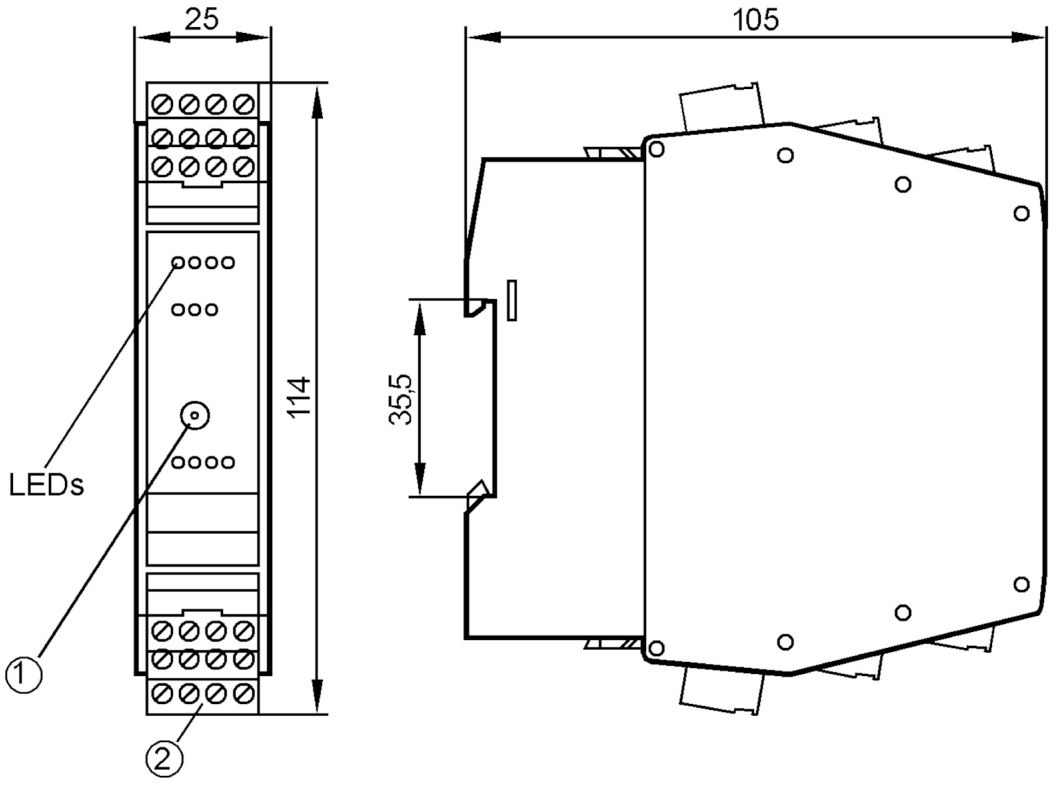
# AC2261

## AS-Interface control cabinet module

SmartLine25 4DI 4DO A/B T C




1 addressing socket
2 COMBICON connector with screw terminals optional

| | | |
|---|---|---|
| **Application** | | |
| Application | | only for operation with AS-i masters with the profile M4 |
| **Electrical data** | | |
| Operating voltage | [V] | 26.5...31.6 DC |
| Max. current consumption from AS-i | [mA] | 250 |
| Max. current load total | [A] | 4; (> 50 °C: 2000 mA) |
| Integrated watchdog | | yes |
| **Inputs / outputs** | | |
| Number of inputs and outputs | | Number of digital inputs: 4; Number of digital outputs: 4 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| **Inputs** | | | | | | |
| Number of digital inputs | | 4 | | | | |
| Input circuit of digital inputs | | PNP | | | | |
| Sensor supply of the inputs | | AS-i | | | | |
| Voltage supply | [V] | 18...30 | | | | |
| Max. total current rating of inputs | [mA] | 200 | | | | |
| 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 | | | | |
| **Outputs** | | | | | | |
| Number of digital outputs | | 4 | | | | |
| Circuit | | PNP | | | | |
| Voltage range DC | [V] | 20...30;  (external (E+/E-), to PELV) | | | | |
| Max. current load per output | [mA] | 1000;  (utilisation category DC-12: 700 mA; utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1)) | | | | |
| Short-circuit proof | | yes | | | | |
| Electrically separated | | yes | | | | |
| **Operating conditions** | | | | | | |
| Ambient temperature | [°C] | -25...70 | | | | |
| Protection | | IP 20 | | | | |
| **Tests / approvals** | | | | | | |
| EMC | | EN 50295 | | | | |
| **AS-i classification** | | | | | | |
| AS-i version | | 3.0 | | | | |
| AS-i addressing | | addressing socket | | | | |
| Extended addressing mode possible | | yes | | | | |
| AS-i profile | | S-7.A.7 | | | | |
| AS-i I/O configuration | [hex] | 7 | | | | |
| AS-i ID code | [hex] | A.7 | | | | |
| AS-i certificate | | 60702 | | | | |
| Assignment of the data bits | | data bit | D0 | D1 | D2 | D3 |
| | | input | I-1 | I-2 | I-3 | I-4 |
| | | Output | O-1 | O-2 | O-3 | O-4 |
| **Mechanical data** | | | | | | |
| Weight | [g] | 150 | | | | |
| Type of mounting | | mounting on DIN rail; string mounting possible | | | | |
| Materials | | PA | | | | |
| **Displays / operating elements** | | | | | | |
| Display | | switching status | | LED, yellow | | |
| | | operation | | LED, green | | |
| | | errors | | LED, red | | |

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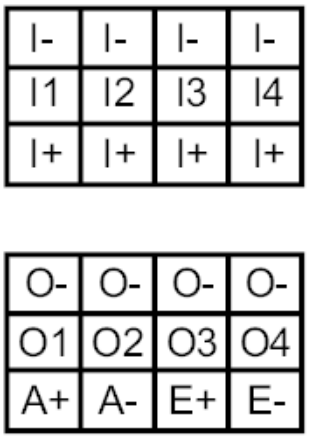
| Accessories | |
|---|---|
| Accessories (optional) | COMBICON connectors |

| Remarks | |
|---|---|
| Remarks | Do not connect any of the following points to an external potential:<br>I-, I+, I1, I2, I3, I4<br>The connections are electrically connected with the AS-i cable. |
| Pack quantity | 1 pcs. |

## Electrical connection

COMBICON:

### Connection







| | |
|---|---|
| A+ | AS-i + |
| A- | AS-i - |
| I+ | Sensor supply +24V |
| I- | Sensor supply 0V |
| E+ | actuator supply +24V |
| E- | actuator supply 0V |
| I1...I4 | switching input sensor 1...4 |
| O1...O4 | switching output actuator 1...4 |
| O- | switching output actuator 0V |