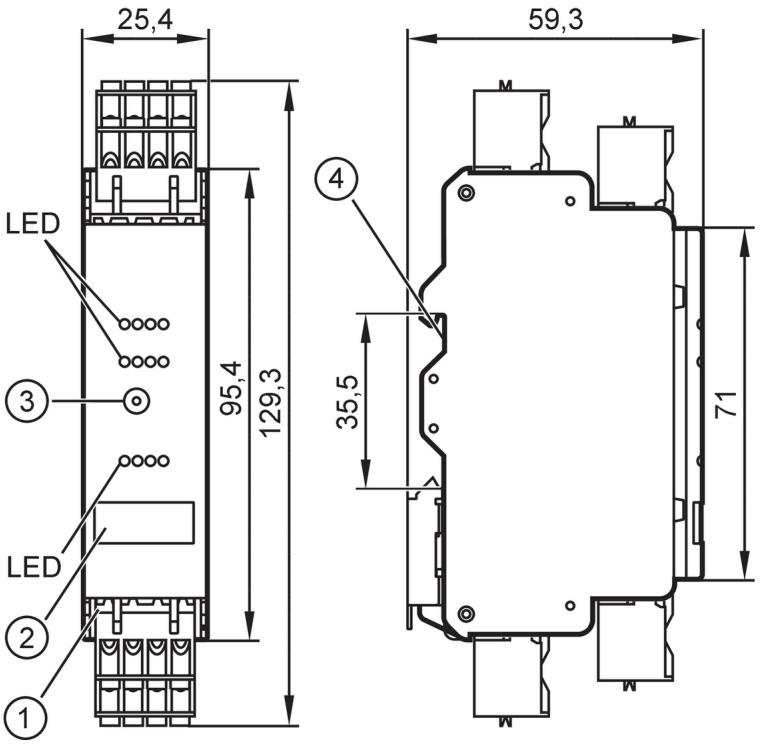
# AC3201

## AS-Interface control cabinet module

SmartL25 4DI AUX 4DO T C




1 plug with cage clamp connection
2 panel for labelling
3 addressing socket
4 DIN rail holder

| | | |
|---|---|---|
| **Application** | | |
| Design | | housing for DIN rail mounting, only for operation with AS-i masters with the profile M4 |
| Application | | Installation in control cabinets |
| **Electrical data** | | |
| Operating voltage | [V] | 18...31.6 DC |
| Max. current consumption from AS-i | [mA] | 30 |
| Additional voltage supply | [V] | 20...30 DC;  (AUX) |
| Max. current consumption from additional supply | [mA] | 5100;  (AUX) |
| 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;  (type 2 according to IEC 61131-2) |
| Sensor supply of the inputs | | AUX |
| Voltage supply | [V] | 18...30;  (DC) |
| Max. total current rating of inputs | [mA] | 1000 |
| Input current High | [mA] | 6...10 |

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| | | |
|---|---|---|
| Input current Low | [mA] | 0...2 |
| Switching level high | [V] | > 11 |
| Digital inputs protected against short circuits | | yes |
| **Outputs** | | |
| Number of digital outputs | | 4 |
| Circuit | | PNP |
| Voltage range DC | [V] | 20...30; (AUX) |
| 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)) |
| Total current rating of all outputs | [A] | 4 |
| Short-circuit proof | | yes |
| Electrically separated | | yes |
| Actuator supply outputs | | AUX |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -25...60 |
| Note on ambient temperature | | the derating of the current load indicated in the operating instructions is to be taken into account at the following ambient temperature: > 40 °C |
| Storage temperature | [°C] | -25...75 |
| Max. relative air humidity | [%] | 90; (non condensing) |
| Max. height above sea level | [m] | 2000 |
| Protection | | IP 20 |
| Protection rating terminals | | IP 20 |
| Pollution degree | | 2 |
| **Tests / approvals** | | |
| EMC | | EN 62026-2 |
| | | EN 61000-6-2 |
| | | EN 61000-6-3 |
| MTTF | [years] | 277 |
| Notes | | The device shall be supplied from an isolating source.; This voltage source must have a secondary UL-listed fuse (see enclosed sheet).; Alternatively, a class 2 power supply can be used to supply AUX. |
| **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 |
| AS-i ID1 code | [hex] | 7; (fixed) |
| AS-i certificate | | 124401 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |

# AC3201

## AS-Interface control cabinet module

**SmartL25 4DI AUX 4DO T C**

| Mechanical data | | |
|---|---|---|
| Weight | [g] | 123.8 |
| Housing | | rectangular |
| Type of mounting | | mounting on DIN rail; (TH35 (EN 60715)) |
| Dimensions | [mm] | 129.3 x 25.4 x 59.3 |
| Materials | | plastics; PC-GF20 |

| Displays / operating elements | | |
|---|---|---|
| Display | switching status | LED, yellow I1...I4, O1...O4 |
| | operation | LED, green AS-i, AUX |
| | errors | LED, red |

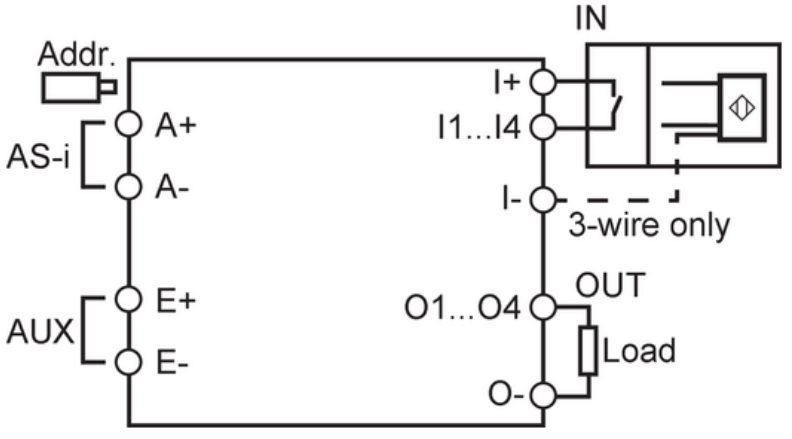
| Accessories | |
|---|---|
| Items supplied | cage clamps |

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

**Electrical connection**

pin headers: 4 x ; Spacing: 5.0 mm

Connection




| | |
|---|---|
| A+ | AS-i + |
| A- | AS-i - |
| I+ | Sensor supply +24V |
| I- | Sensor supply 0V |
| E+ | external voltage supply for sensors/actuators +24V (AUX) |
| E- | external voltage supply for sensors/actuators 0V (AUX) |
| I1...I4 | switching input sensor 1...4 |
| O1...O4 | switching output actuator 1...4 |
| O- | switching output actuator 0V |