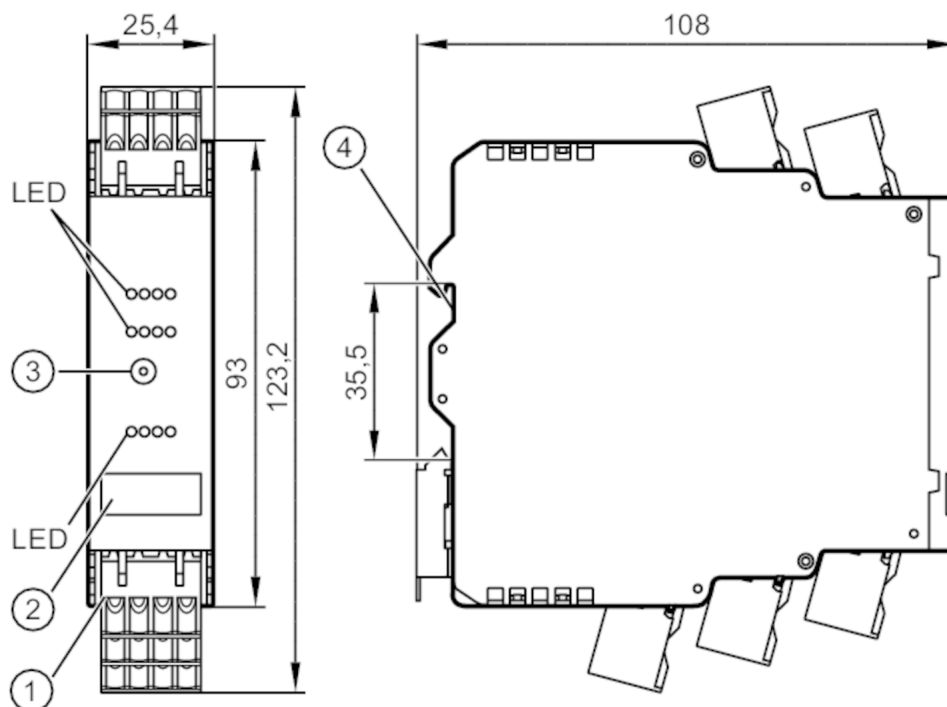


## AS-Interface control cabinet module

SmartL25 4DI 4DO R C



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



## 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] | 300                   |
| Max. current load total            | [A]  | 6; (ohmic resistance) |
| Integrated watchdog                |      | yes                   |

## Inputs / outputs

Number of inputs and outputs Number of digital inputs: 4; Number of relay outputs: 4



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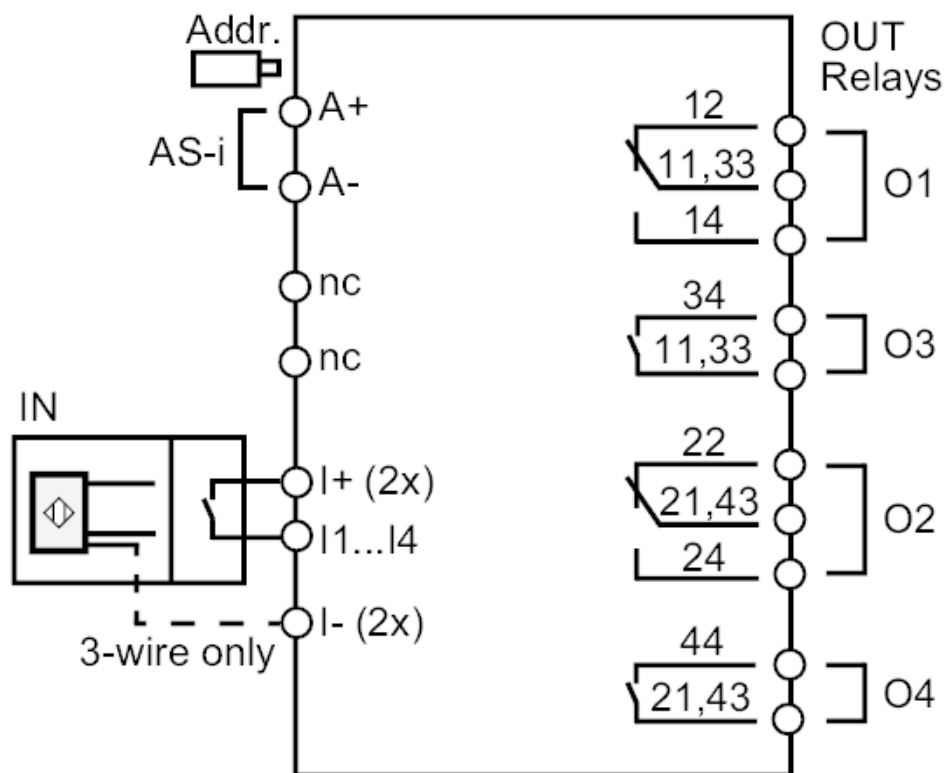
| Inputs                                          |                                                                                                                               |  |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|
| Number of digital inputs                        | 4                                                                                                                             |  |
| Input circuit of digital inputs                 | PNP; (type 2 according to IEC 61131-2)                                                                                        |  |
| voltage supply [V]                              | 16...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                                                                                                                           |  |
| Sensor supply of the inputs                     | AS-i                                                                                                                          |  |
| Outputs                                         |                                                                                                                               |  |
| Voltage range DC                                | 24; (The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. e.g. 2 x 240 V AC or 2 x 24 V DC)       |  |
| Voltage range AC                                | 10...240; (The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. e.g. 2 x 240 V AC or 2 x 24 V DC) |  |
| Max. current load per output [mA]               | 6000; (ohmic resistance)                                                                                                      |  |
| Number of relay outputs                         | 4                                                                                                                             |  |
| Short-circuit proof                             | no                                                                                                                            |  |
| Electrically separated                          | yes                                                                                                                           |  |
| Operating conditions                            |                                                                                                                               |  |
| Ambient temperature [°C]                        | -25...60                                                                                                                      |  |
| Max. relative air humidity [%]                  | 90; (non condensing)                                                                                                          |  |
| Max. height above sea level [m]                 | 2000                                                                                                                          |  |
| Protection                                      | IP 20                                                                                                                         |  |
| Protection rating terminals                     | IP 20                                                                                                                         |  |
| Degree of soiling                               | 2                                                                                                                             |  |
| Tests / approvals                               |                                                                                                                               |  |
| EMC                                             | EN 62026-2                                                                                                                    |  |
|                                                 | EN 61000-6-2                                                                                                                  |  |
|                                                 | EN 61000-6-3                                                                                                                  |  |
| 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                                | 124301                                                                                                                        |  |



## AS-Interface control cabinet module

SmartL25 4DI 4DO R C

| Mechanical data                    |                                                                      |                              |
|------------------------------------|----------------------------------------------------------------------|------------------------------|
| Weight                             | [g]                                                                  | 231                          |
| Type of mounting                   | mounting on DIN rail; string mounting possible                       |                              |
| 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                        |                                                                      |                              |
| Accessories (supplied)             | COMBICON connectors                                                  |                              |
| Remarks                            |                                                                      |                              |
| Remarks                            | Do not connect any of the following points to an external potential: |                              |
|                                    | I-, I+, I1, I2, I3, I4                                               |                              |
|                                    | The connections are electrically connected with the AS-i cable.      |                              |
| Pack quantity                      | 1 pcs.                                                               |                              |
| Electrical connection              |                                                                      |                              |
| pin headers: 4 x ; Spacing: 5.0 mm |                                                                      |                              |
| Connection                         |                                                                      |                              |





## AS-Interface control cabinet module

SmartL25 4DI 4DO R C

|         |                                                      |
|---------|------------------------------------------------------|
| A+      | AS-i +                                               |
| A-      | AS-i -                                               |
| I+      | Sensor supply +24V                                   |
| I-      | Sensor supply 0V                                     |
| I1...I4 | switching input sensor 1...4                         |
| O1...O4 | switching output relay 1...4                         |
| 11      | relay O1 changeover contact, common                  |
| 12      | relay O1 changeover contact, normally closed contact |
| 14      | relay O1 changeover contact, normally open           |
| 21      | relay O2 changeover contact, common                  |
| 22      | relay O2 changeover contact, normally closed contact |
| 24      | relay O2 changeover contact, normally open           |
| 33, 34  | relay O3 normally open                               |
| 43, 44  | relay O4 normally open                               |
| nc      | not used                                             |