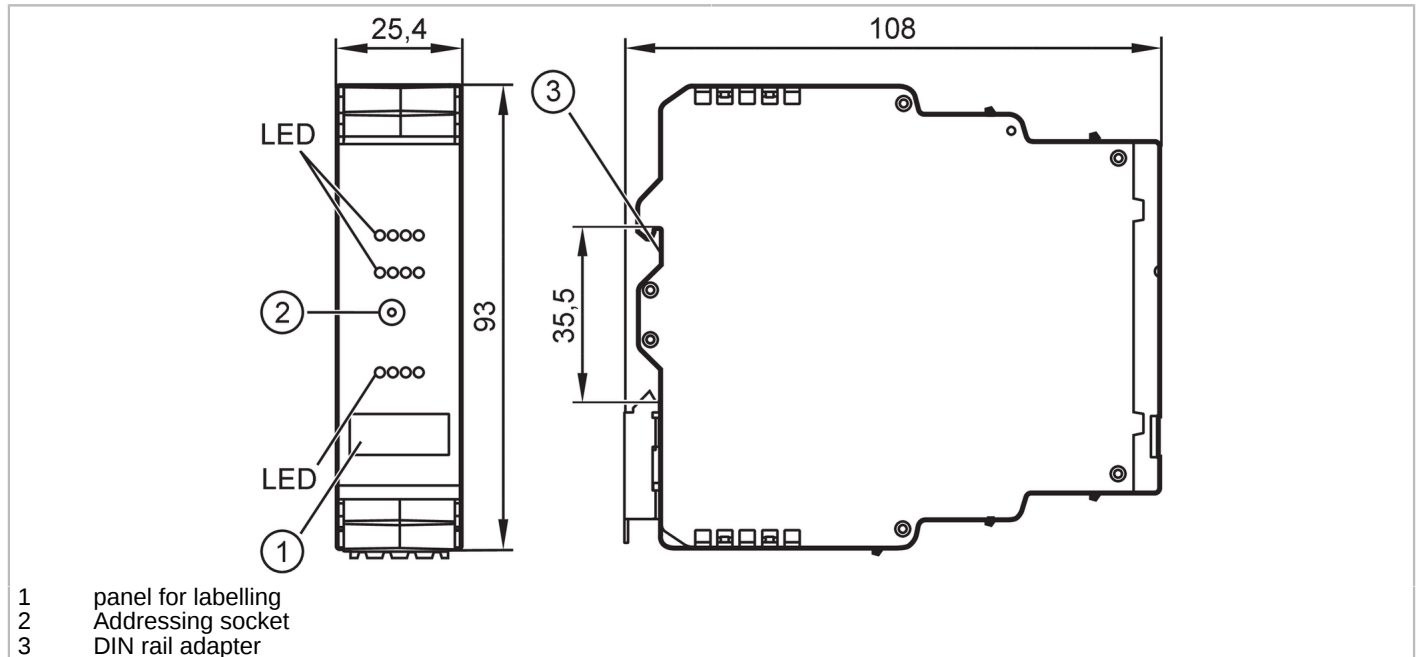


## AS-Interface control cabinet module

SmartLine SafetyModul



## Application

|             |                                               |
|-------------|-----------------------------------------------|
| Design      | housing for DIN rail mounting                 |
| Application | I/O modules for control cabinet installations |

## Electrical data

|                                    |      |                     |
|------------------------------------|------|---------------------|
| Operating voltage                  | [V]  | 26.5...31.6 DC      |
| Max. current consumption from AS-i | [mA] | 250                 |
| Max. current load total            | [A]  | 6; (resistive load) |
| Integrated watchdog                |      | yes                 |

## Inputs / outputs

|                              |                                                         |
|------------------------------|---------------------------------------------------------|
| Number of inputs and outputs | Number of digital inputs: 2; Number of relay outputs: 2 |
|------------------------------|---------------------------------------------------------|

## Inputs

|                                         |      |                       |
|-----------------------------------------|------|-----------------------|
| Number of digital inputs                |      | 2; (2 x safety input) |
| Input circuit of digital inputs         |      | PNP; (DC)             |
| Sensor supply of the inputs             |      | AS-i                  |
| Max. total current rating of inputs     | [mA] | 100                   |
| Input current High                      | [mA] | 10                    |
| Short-circuit protection digital inputs |      | yes                   |

## Outputs

|                              |      |                                                                                               |
|------------------------------|------|-----------------------------------------------------------------------------------------------|
| Voltage range DC             | [V]  | 24; (The outputs O3 + O4 must be supplied in pairs with the same voltage. 2 x 24 V DC)        |
| Voltage range AC             | [V]  | 10...240; (The outputs O3 + O4 must be supplied in pairs with the same voltage. 2 x 240 V AC) |
| Max. current load per output | [mA] | 6000; (resistive load)                                                                        |
| Number of relay outputs      |      | 2                                                                                             |



## AS-Interface control cabinet module

SmartLine SafetyModul

|                        |     |
|------------------------|-----|
| Short-circuit proof    | no  |
| Electrically separated | yes |

## Operating conditions

|                             |      |                      |
|-----------------------------|------|----------------------|
| Ambient temperature         | [°C] | -25...50             |
| Storage temperature         | [°C] | < 80                 |
| Max. relative air humidity  | [%]  | 80; (non condensing) |
| Max. height above sea level | [m]  | 2000                 |
| Protection                  |      | IP 20                |
| Pollution degree            |      | 2                    |

## Tests / approvals

|          |                                  |  |
|----------|----------------------------------|--|
| EMC      | EN 61000-6-2                     |  |
|          | EN 62026-2                       |  |
|          | EN 61326-3-1                     |  |
|          | EN 61000-6-4                     |  |
| Standard | EN 61010-1; EN 13849-1; EN 63000 |  |

## Safety classification

|                                         |                              |          |
|-----------------------------------------|------------------------------|----------|
| Complies with the requirements          | ISO 13849-1 Category 4, PL e |          |
|                                         | IEC 61508 SIL 3              |          |
| Mission time TM                         | [h]                          | 175200   |
| Mission time TM (additional indication) |                              | 20 years |
| PFH                                     | [1/h]                        | 4E-09    |

## AS-i classification

|                          |                   |      |      |      |      |
|--------------------------|-------------------|------|------|------|------|
| AS-i version             | 2.11; 3.0         |      |      |      |      |
| AS-i addressing          | Addressing socket |      |      |      |      |
| Extended addressing mode | no                |      |      |      |      |
| AS-i profile             | S-7.B.E           |      |      |      |      |
| AS-i I/O configuration   | [hex]             | 7    |      |      |      |
| AS-i ID code             | [hex]             | B.E  |      |      |      |
| AS-i certificate         | 62001             |      |      |      |      |
| Data bits                | Data bit          | D0   | D1   | D2   | D3   |
|                          | Input             | SI-1 | SI-1 | SI-2 | SI-2 |
|                          | Output            | O-1  | O-2  | O-3  | O-4  |

## Mechanical data

|                  |                                         |                 |
|------------------|-----------------------------------------|-----------------|
| Weight           | [g]                                     | 258             |
| Housing          | rectangular                             |                 |
| Type of mounting | Mounting on DIN rail; (TH35 (EN 60715)) |                 |
| Dimensions       | [mm]                                    | 93 x 25.4 x 108 |
| Material         | PC-GF20                                 |                 |

## Displays / operating elements

|         |                  |                                |
|---------|------------------|--------------------------------|
| Display | Switching status | LED, yellow SI1...SI2, O3...O4 |
|         | Power            | LED, green AS-i                |
|         | errors           | LED, red ERR O1...O2           |

## Remarks

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



## AS-Interface control cabinet module

SmartLine SafetyModul

### Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

### Connection

