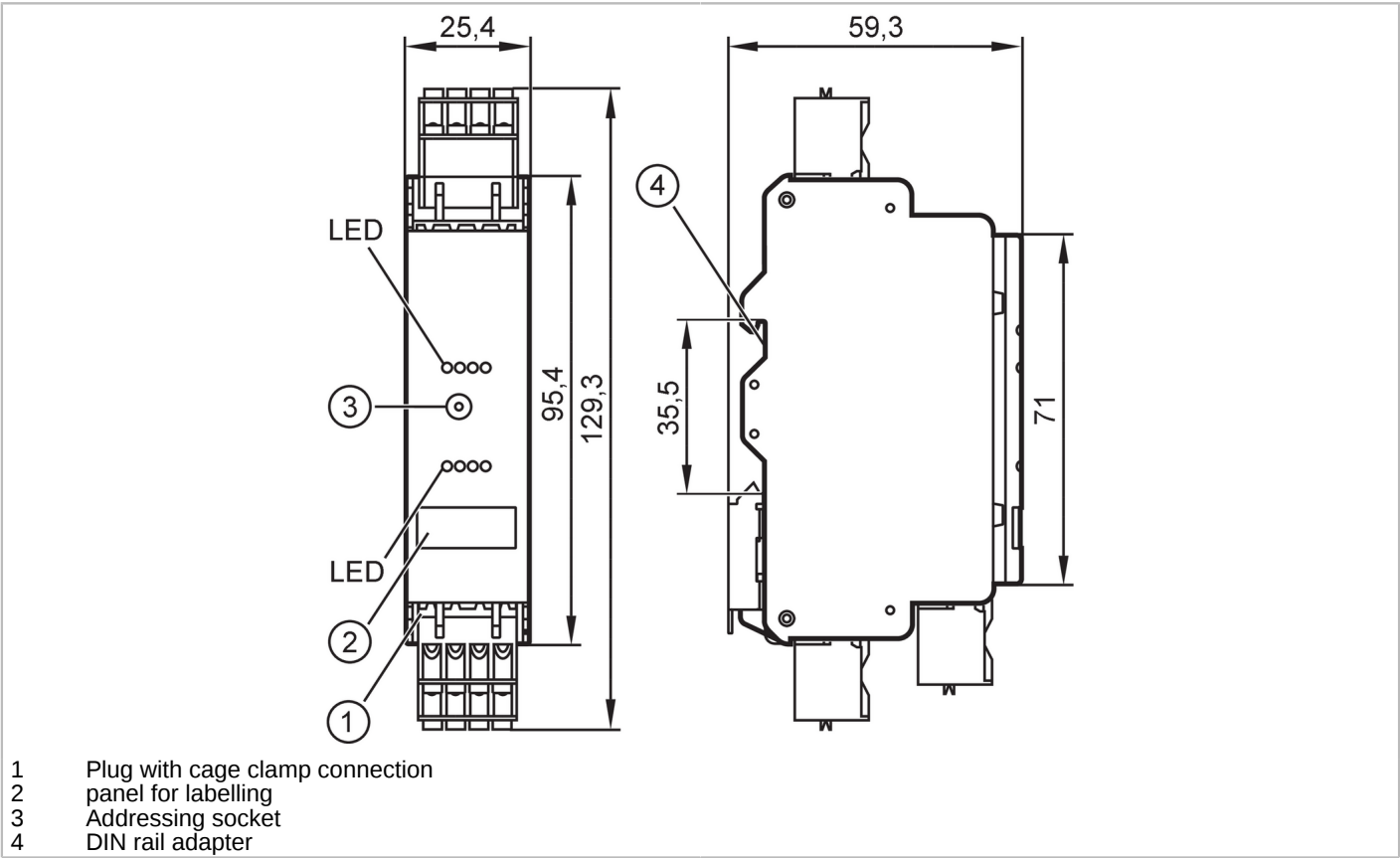




AS-Interface control cabinet module

SmartL25 4 DO T C



| Application                                          |                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Design                                               | housing for DIN rail mounting                                                                                            |
| Application                                          | I/O modules for control cabinet installations                                                                            |
| 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] | 4000; (AUX)                                                                                                              |
| Integrated watchdog                                  | yes                                                                                                                      |
| Inputs / outputs                                     |                                                                                                                          |
| Number of inputs and outputs                         | Number of digital outputs: 4                                                                                             |
| Outputs                                              |                                                                                                                          |
| Number of digital outputs                            | 4                                                                                                                        |
| Circuit                                              | PNP                                                                                                                      |
| Voltage range DC [V]                                 | 20...30; (AUX)                                                                                                           |
| Max. current load per output [mA]                    | 1000; (utilization category DC-12: 700 mA; utilization category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1)) |
| Max. current load outputs total [A]                  | 4                                                                                                                        |
| Short-circuit proof                                  | yes                                                                                                                      |



## AS-Interface control cabinet module

SmartL25 4 DO T C

|                         |     |
|-------------------------|-----|
| Electrically separated  | yes |
| Actuator supply outputs | AUX |

## Operating conditions

|                                 |                                                                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature [°C]        | -25...65                                                                                                                                           |
| 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: > 45 °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] | 348                                                                                                                                                                                                      |  |
| 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                 | 2.11; 3.0         |     |     |     |     |
| AS-i addressing              | Addressing socket |     |     |     |     |
| Extended addressing mode     | no                |     |     |     |     |
| AS-i master profile          | M2; M3; M4        |     |     |     |     |
| AS-i profile                 | S-8.0.E           |     |     |     |     |
| AS-i I/O configuration [hex] | 8                 |     |     |     |     |
| AS-i ID code [hex]           | 0.E               |     |     |     |     |
| AS-i certificate             | 124403            |     |     |     |     |
| Data bits                    | Data bit          | D0  | D1  | D2  | D3  |
|                              | Output            | O-1 | O-2 | O-3 | O-4 |

## Mechanical data

|                  |                                         |
|------------------|-----------------------------------------|
| Weight [g]       | 114.8                                   |
| Housing          | rectangular                             |
| Type of mounting | Mounting on DIN rail; (TH35 (EN 60715)) |
| Dimensions [mm]  | 129.3 x 25.4 x 59.3                     |
| Material         | plastics; PC-GF20                       |

## Displays / operating elements

|         |                  |                      |
|---------|------------------|----------------------|
| Display | Switching status | LED, yellow O1...O4  |
|         | Power            | LED, green AS-i, AUX |
|         | errors           | LED, red             |

## Accessories

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

## Remarks

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



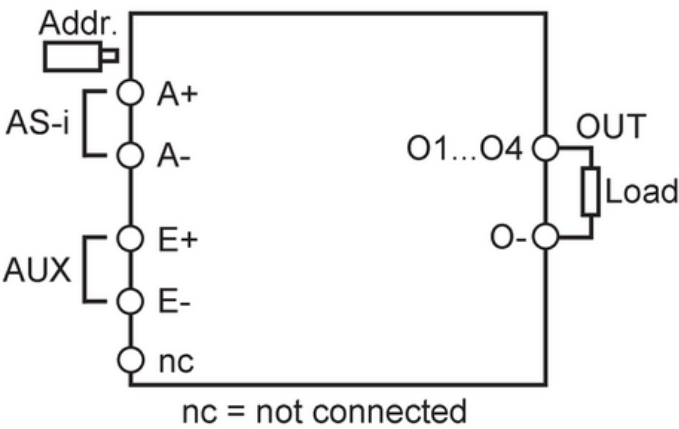
AS-Interface control cabinet module

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Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection



|         |                                                  |
|---------|--------------------------------------------------|
| A+      | AS-i +                                           |
| A-      | AS-i -                                           |
| E+      | External voltage supply for actuators +24V (AUX) |
| E-      | External voltage supply for actuators 0V (AUX)   |
| O1...O4 | Switching output actuator 1...4                  |
| O-      | Switching output actuator 0V                     |
| n.c.    | not used                                         |