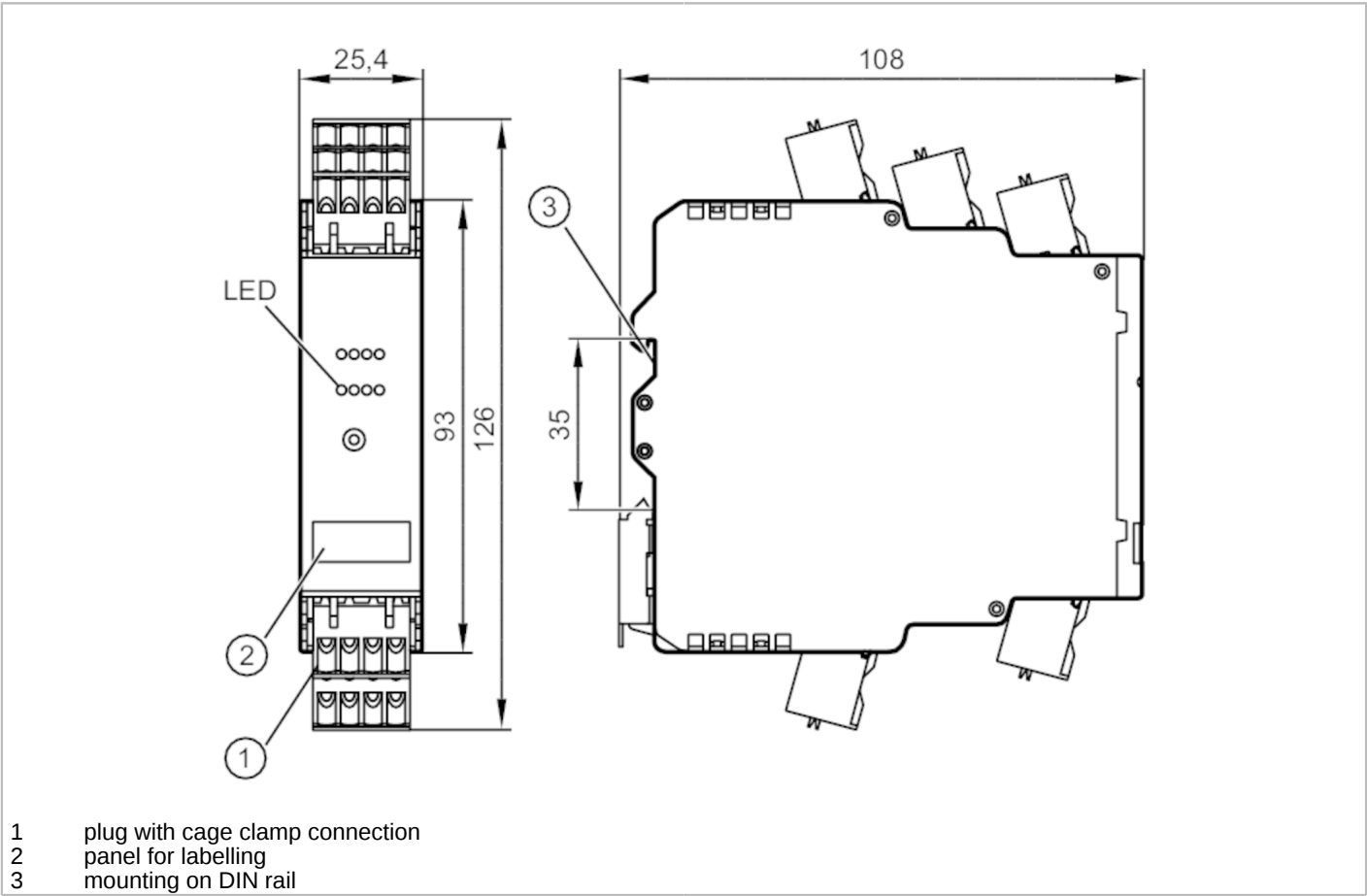




AS-Interface control cabinet module

SmartL25 4 AI (V) C IP20



| Application                                     |      |                                                      |
|-------------------------------------------------|------|------------------------------------------------------|
| Application                                     |      | Installation in control cabinets                     |
| Electrical data                                 |      |                                                      |
| Operating voltage                               | [V]  | 26.5...31.6 DC                                       |
| Max. current consumption from AS-i              | [mA] | 157                                                  |
| Reverse polarity protection                     |      | yes                                                  |
| Additional voltage supply                       | [V]  | 20...30 DC; (AUX)                                    |
| Additional voltage supply                       |      | optional                                             |
| Max. current consumption from additional supply | [mA] | 550; (AUX)                                           |
| Inputs / outputs                                |      |                                                      |
| Number of inputs and outputs                    |      | Number of analogue inputs: 4                         |
| Inputs                                          |      |                                                      |
| Sensor supply of the inputs                     |      | AS-i / AUX                                           |
| Power supply                                    | [V]  | 18...30; (DC)                                        |
| Max. total current rating of inputs             | [mA] | 100                                                  |
| Number of analogue inputs                       |      | 4; (connection of 2-wire, 3-wire and 4-wire sensors) |
| Analogue input (voltage)                        | [V]  | 0...10                                               |



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|                                                  |                       |
|--------------------------------------------------|-----------------------|
| Analogue inputs protected against short circuits | no                    |
| Resolution of analogue input                     | 16 bit (1 bit = 1 mV) |
| Precision analogue input [%]                     | 0,5                   |

## Operating conditions

|                                 |                      |
|---------------------------------|----------------------|
| Ambient temperature [°C]        | 0...70               |
| Storage temperature [°C]        | -20...85             |
| 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 61000-6-2 |         |
|             | EN 61000-6-4 |         |
| UL approval | power supply | Class 2 |

## AS-i classification

|                              |                   |
|------------------------------|-------------------|
| AS-i version                 | 2.11; 3.0         |
| AS-i addressing              | addressing socket |
| Extended addressing mode     | no                |
| AS-i master profile          | M3; M4            |
| AS-i profile                 | S-7.3.E           |
| AS-i I/O configuration [hex] | 7                 |
| AS-i ID code [hex]           | 3.E               |

## Mechanical data

|                  |                               |
|------------------|-------------------------------|
| Weight [g]       | 198.5                         |
| Housing          | housing for DIN rail mounting |
| Type of mounting | mounting on DIN rail          |
| Dimensions [mm]  | 126 x 25.4 x 108              |
| Materials        | PC-GF20                       |

## Displays / operating elements

|         |                 |                                |
|---------|-----------------|--------------------------------|
| Display | analogue signal | LED, yellow channels AI1...AI4 |
|         | diagnosis       | LED, yellow                    |
|         | operation       | LED, green AS-i, AUX           |
|         | errors          | LED, red                       |

## Accessories

|                |                     |
|----------------|---------------------|
| Items supplied | COMBICON connectors |
|----------------|---------------------|

## Remarks

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



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Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection

|    |    |    |    |
|----|----|----|----|
| I+ | V1 | I- | 0V |
| I+ | V2 | I- | 0V |
| I+ | V3 | I- | 0V |

|    |    |    |    |
|----|----|----|----|
| 0V | I- | V4 | I+ |
|    |    |    |    |
| A+ | A- | E+ | E- |

|        |                             |
|--------|-----------------------------|
| I+     | Sensor supply +24V          |
| V1...4 | analogue input Voltage      |
| I-     | Sensor supply 0V            |
| 0V     | analogue input 0V           |
| A+     | AS-i +                      |
| A-     | AS-i -                      |
| E+     | external sensor supply +24V |
| E-     | external sensor supply 0V   |