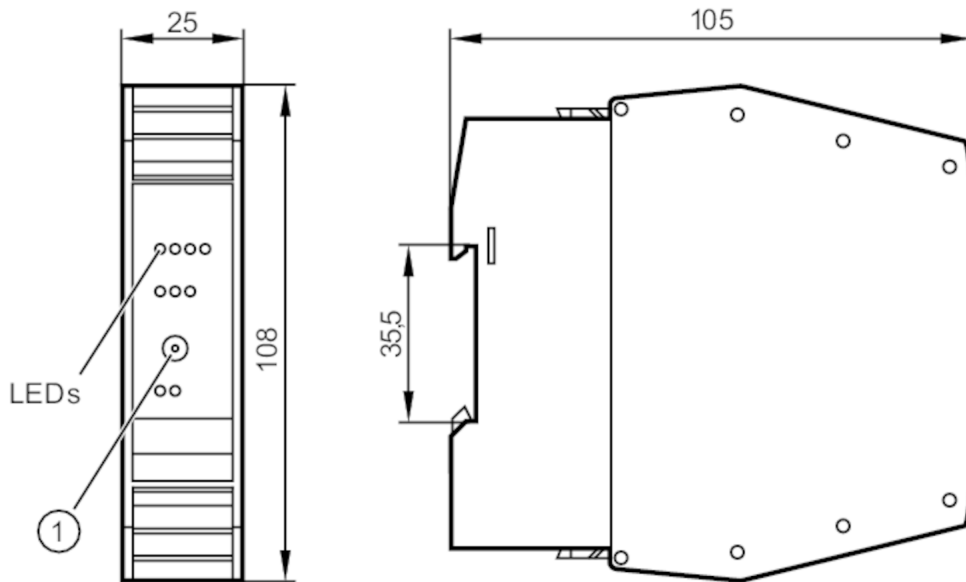


AC2256



AS-Interface control cabinet module

SmartL25 4DI 2DO R C



1 addressing socket



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) |
| Integrated watchdog | | yes |

Inputs / outputs

| | |
|------------------------------|---|
| Number of inputs and outputs | Number of digital inputs: 4; Number of relay outputs: 2 |
|------------------------------|---|

Inputs

| | | |
|---|------|---------|
| Number of digital inputs | | 4 |
| Input circuit of digital inputs | | PNP |
| Sensor supply of the inputs | | AS-i |
| Voltage supply | [V] | 18...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 | | no |



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| Outputs | | | | | | | | | | | | | | | | |
|-----------------------------------|---|-------------|-----|-----|-----|----|-------|-----|-----|-----|-----|--------|-----|-----|---|---|
| Voltage range DC [V] | 24; (All outputs have to be supplied with the same voltage. 2 x 24 V DC) | | | | | | | | | | | | | | | |
| Voltage range AC [V] | 10...240; (All outputs have to be supplied with the same voltage. 2 x 240 V AC, same phase conductor) | | | | | | | | | | | | | | | |
| Max. current load per output [mA] | 6000; (resistive) | | | | | | | | | | | | | | | |
| Number of relay outputs | 2 | | | | | | | | | | | | | | | |
| Short-circuit proof | no | | | | | | | | | | | | | | | |
| Electrically separated | yes | | | | | | | | | | | | | | | |
| Operating conditions | | | | | | | | | | | | | | | | |
| Ambient temperature [°C] | -25...70 | | | | | | | | | | | | | | | |
| Note on ambient temperature | cRUUs: -25...60 °C | | | | | | | | | | | | | | | |
| Protection | IP 20 | | | | | | | | | | | | | | | |
| Tests / approvals | | | | | | | | | | | | | | | | |
| EMC | EN 50295 | | | | | | | | | | | | | | | |
| | EN 50178 | | | | | | | | | | | | | | | |
| MTTF [years] | 339 | | | | | | | | | | | | | | | |
| AS-i classification | | | | | | | | | | | | | | | | |
| AS-i version | 2.1 | | | | | | | | | | | | | | | |
| AS-i addressing | addressing socket | | | | | | | | | | | | | | | |
| Extended addressing mode possible | yes | | | | | | | | | | | | | | | |
| AS-i profile | S-7.A.E | | | | | | | | | | | | | | | |
| AS-i I/O configuration [hex] | 7 | | | | | | | | | | | | | | | |
| AS-i ID code [hex] | A.E | | | | | | | | | | | | | | | |
| AS-i certificate pending | yes | | | | | | | | | | | | | | | |
| Assignment of the data bits | <table border="1"> <thead> <tr> <th>data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>input</td> <td>I-1</td> <td>I-2</td> <td>I-3</td> <td>I-4</td> </tr> <tr> <td>Output</td> <td>O-1</td> <td>O-2</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | data bit | D0 | D1 | D2 | D3 | input | I-1 | I-2 | I-3 | I-4 | Output | O-1 | O-2 | - | - |
| | data bit | D0 | D1 | D2 | D3 | | | | | | | | | | | |
| | input | I-1 | I-2 | I-3 | I-4 | | | | | | | | | | | |
| Output | O-1 | O-2 | - | - | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Mechanical data | | | | | | | | | | | | | | | | |
| Weight [g] | 195.5 | | | | | | | | | | | | | | | |
| Type of mounting | mounting on DIN rail; string mounting possible | | | | | | | | | | | | | | | |
| Materials | PA | | | | | | | | | | | | | | | |
| Displays / operating elements | | | | | | | | | | | | | | | | |
| Display | switching status | LED, yellow | | | | | | | | | | | | | | |
| | operation | LED, green | | | | | | | | | | | | | | |
| | errors | LED, red | | | | | | | | | | | | | | |
| Accessories | | | | | | | | | | | | | | | | |
| Accessories (optional) | COMBICON connectors | | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | | | |
| Pack quantity | 1 pcs. | | | | | | | | | | | | | | | |



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Electrical connection

COMBICON:

Connection

| | | | |
|----|----|----|----|
| I- | I- | I- | I- |
| I1 | I2 | I3 | I4 |
| I+ | I+ | I+ | I+ |

| | | | |
|----|----|----|----|
| 14 | 11 | 11 | 12 |
| 24 | 21 | 21 | 22 |
| A+ | A- | | |

| | |
|---------|------------------------------|
| A+ | AS-i + |
| A- | AS-i - |
| I+ | Sensor supply +24V |
| I- | Sensor supply 0V |
| I1...I4 | switching input sensor 1...4 |