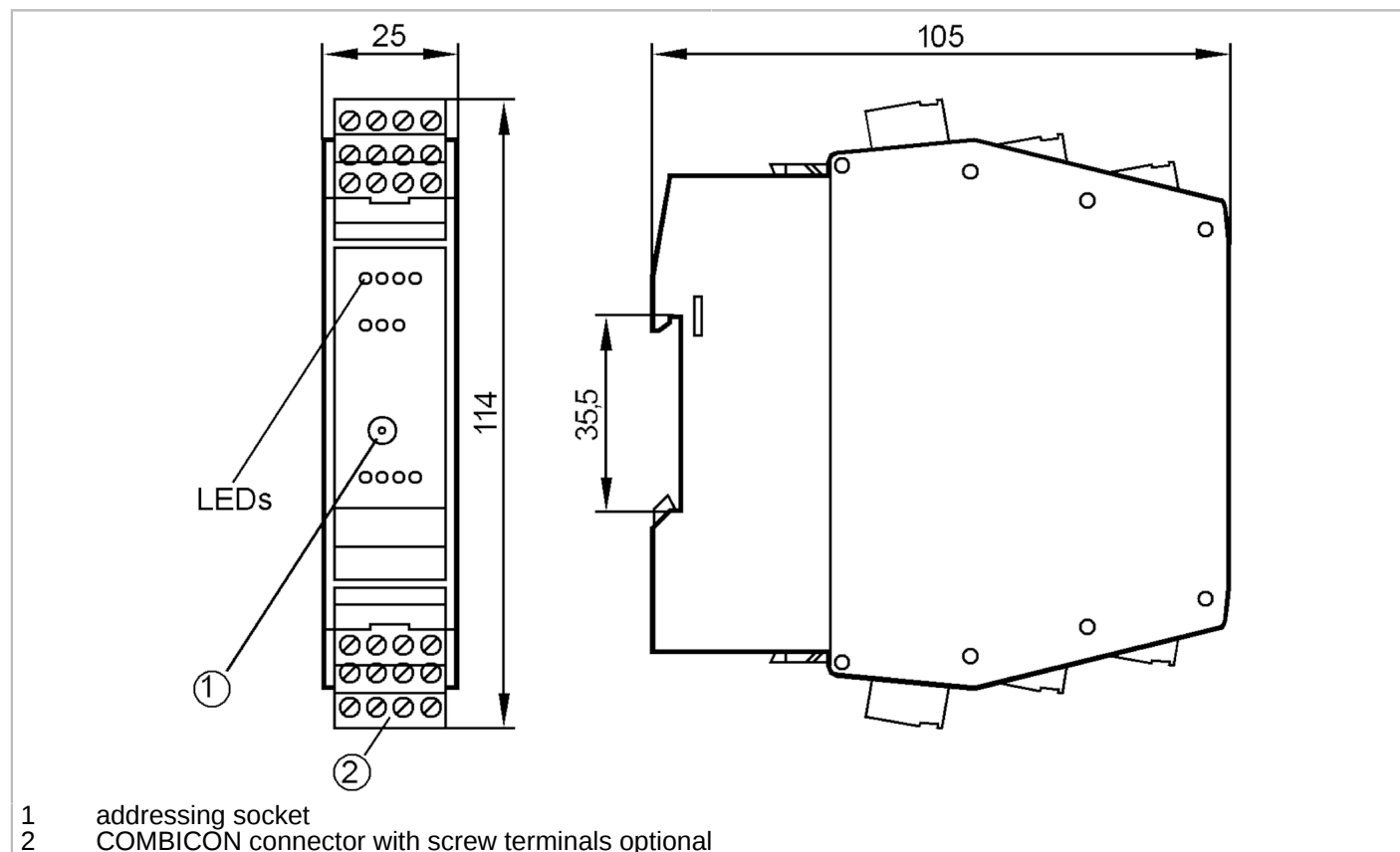




## AS-Interface control cabinet module

SmartLine25 4DI 3DO T C AUX



## Electrical data

|                                    |      |                       |
|------------------------------------|------|-----------------------|
| Operating voltage                  | [V]  | 26.5...31.6 DC        |
| Max. current consumption from AS-i | [mA] | 50                    |
| Max. current load total            | [A]  | 3; (> 50 °C: 2000 mA) |
| Integrated watchdog                |      | yes                   |

## Inputs

|                                                 |      |                           |
|-------------------------------------------------|------|---------------------------|
| Number of digital inputs                        |      | 4                         |
| Input circuit of digital inputs                 |      | PNP                       |
| 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                     |      | external (E+/E-), to PELV |



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| Outputs                           |                                                                                                                          |     |     |             |     |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------|-----|
| Number of digital outputs         | 3                                                                                                                        |     |     |             |     |
| Beschaltung                       | PNP                                                                                                                      |     |     |             |     |
| Voltage range DC                  | 20...30; (external (E+/E-), to PELV)                                                                                     |     |     |             |     |
| Max. current load per output [mA] | 1000; (utilisation category DC-12: 700 mA; utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1)) |     |     |             |     |
| Short-circuit proof               | yes                                                                                                                      |     |     |             |     |
| Electrically separated            | yes                                                                                                                      |     |     |             |     |
| Operating conditions              |                                                                                                                          |     |     |             |     |
| Ambient temperature [°C]          | -20...70                                                                                                                 |     |     |             |     |
| Note on ambient temperature       | cRUus: -25...60 °C                                                                                                       |     |     |             |     |
| Protection                        | IP 20                                                                                                                    |     |     |             |     |
| Tests / approvals                 |                                                                                                                          |     |     |             |     |
| EMC                               | EN 50295                                                                                                                 |     |     |             |     |
| MTTF [years]                      | 187                                                                                                                      |     |     |             |     |
| AS-i classification               |                                                                                                                          |     |     |             |     |
| AS-i version                      | 3.0                                                                                                                      |     |     |             |     |
| 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       | data bit                                                                                                                 | D0  | D1  | D2          | D3  |
|                                   | input                                                                                                                    | I-1 | I-2 | I-3         | I-4 |
|                                   | Output                                                                                                                   | O-1 | O-2 | O-3         | -   |
| Mechanical data                   |                                                                                                                          |     |     |             |     |
| Weight [g]                        | 137.5                                                                                                                    |     |     |             |     |
| 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.                                                                                                                   |     |     |             |     |



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Electrical connection

COMBICON:

Connection

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

|    |    |    |    |
|----|----|----|----|
| O- | O- | O- | O- |
| O1 | O2 | O3 |    |
| A+ | A- | E+ | E- |

|         |                                               |
|---------|-----------------------------------------------|
| A+      | AS-i +                                        |
| A-      | AS-i -                                        |
| I+      | Sensor supply +24V                            |
| I-      | Sensor supply 0V                              |
| E+      | external voltage supply for sensors/actuators |
| E-      | external voltage supply for sensors/actuators |
| I1...I4 | switching input sensor 1...4                  |
| O1...O3 | switching output actuator 1...3               |
| O-      | switching output actuator 0V                  |