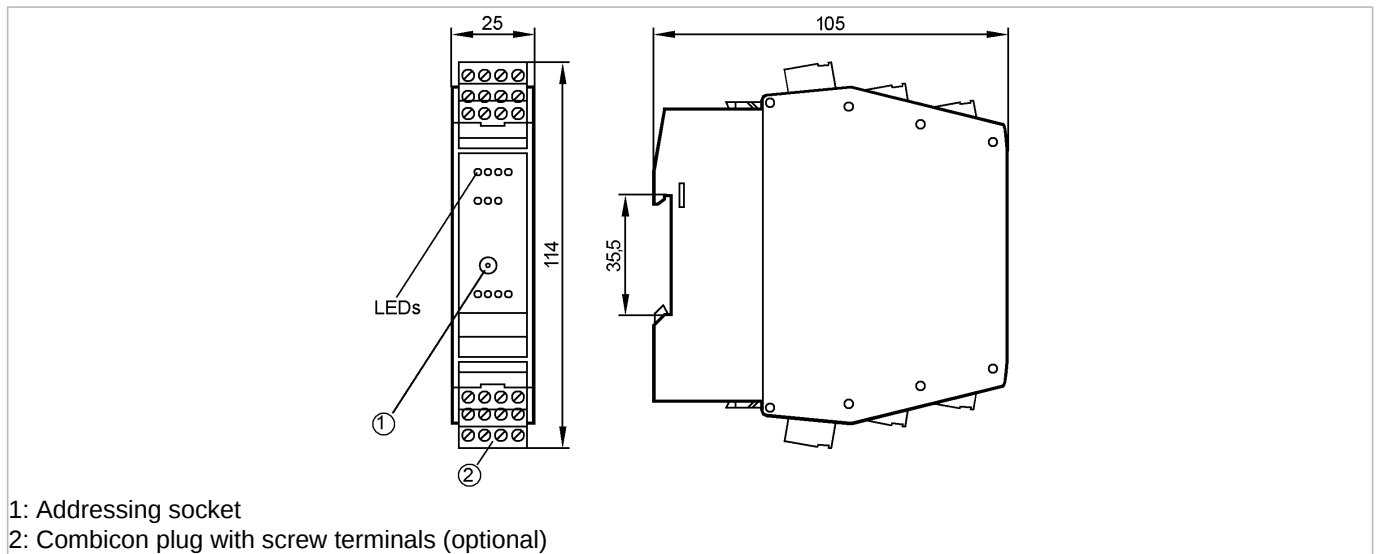


**AC2257**

SmartL25 4DI 4DO T C

AS-Interface bus system



**Product characteristics**

Active AS-i module
Mounting on DIN rail
Combicon connection
String mounting possible
Addressing socket
External sensor supply PELV
Version 2.1
Digital inputs and outputs

**Electrical data**

Electrical design	4 inputs / 4 outputs
Operating voltage [V]	26.5...31.6 DC
Total current consumption from AS-i [mA]	< 50
Max. current load per module [mA]	4000 **)

**Inputs**

digital	
Circuit	PNP
Sensor supply	via E+/E- / external to PELV
Voltage range [V]	16...30 DC
Max. current load for all inputs total [mA]	200
Input current High/Low [mA]	6...10 / 0...2
Switching level High signal 1 [V]	>11
Short-circuit proof	yes

**Outputs**

digital	
Output function	transistor PNP
Voltage range [V]	24 DC (20...30 DC)
External voltage supply	via E+/E- / external to PELV
Max. current load per output [mA]	1000 *)

## AC2257

SmartL25 4DI 4DO T C

AS-Interface bus system

Electrically separated	yes
Integrated watchdog	yes
Short-circuit proof	yes

Environment	
Ambient temperature [°C]	-25...70, cRUUs: surrounding air temperature -25...60 °C
Protection	IP 20

Tests / approvals	
EMC	EN 50295 EN 50178
MTTF [Years]	186

AS-i classification											
AS-i version	2.1										
Extended addressing mode possible	no										
AS-i profile	S-7.0.E										
I/O configuration [hex]	7										
ID code [Hex]	0.E										
AS-i certificate	37302										
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>Function</td> <td>input I1 - output O1</td> <td>input I2 - output O2</td> <td>input I3 - output O3</td> <td>input I4 - output O4</td> </tr> </tbody> </table>	Data bit	D0	D1	D2	D3	Function	input I1 - output O1	input I2 - output O2	input I3 - output O3	input I4 - output O4
Data bit	D0	D1	D2	D3							
Function	input I1 - output O1	input I2 - output O2	input I3 - output O3	input I4 - output O4							

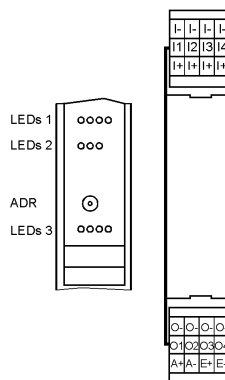
Mechanical data	
Housing materials	PA
Weight [kg]	0.134

Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Error LED	red

Electrical connection	
Connection	Combicon

### Wiring

- A+: AS-i +
- A-: AS-i -
- I+: Sensor supply +24V
- I-: Sensor supply 0V
- E+: external sensor supply for sensors/actuators
- E-: external sensor supply for sensors/actuators
- I1...I4: Switching input Sensor 1...4
- O-: Switching output actuator 0V
- O1...O4: Switching output actuator 1...4



Accessories	
Accessories (optional)	Combicon connector

Remarks	
Remarks	<p>*) Utilisation category DC-13; utilisation category DC-12: 700 mA. The switch-on and switch-off capability for the triggering of solenoids is rated up to 20 W (according to IEC 60947-5-1).</p> <p>**) &gt; 50 °C: 2000 mA</p>



## AC2257

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Pack quantity [piece] 1