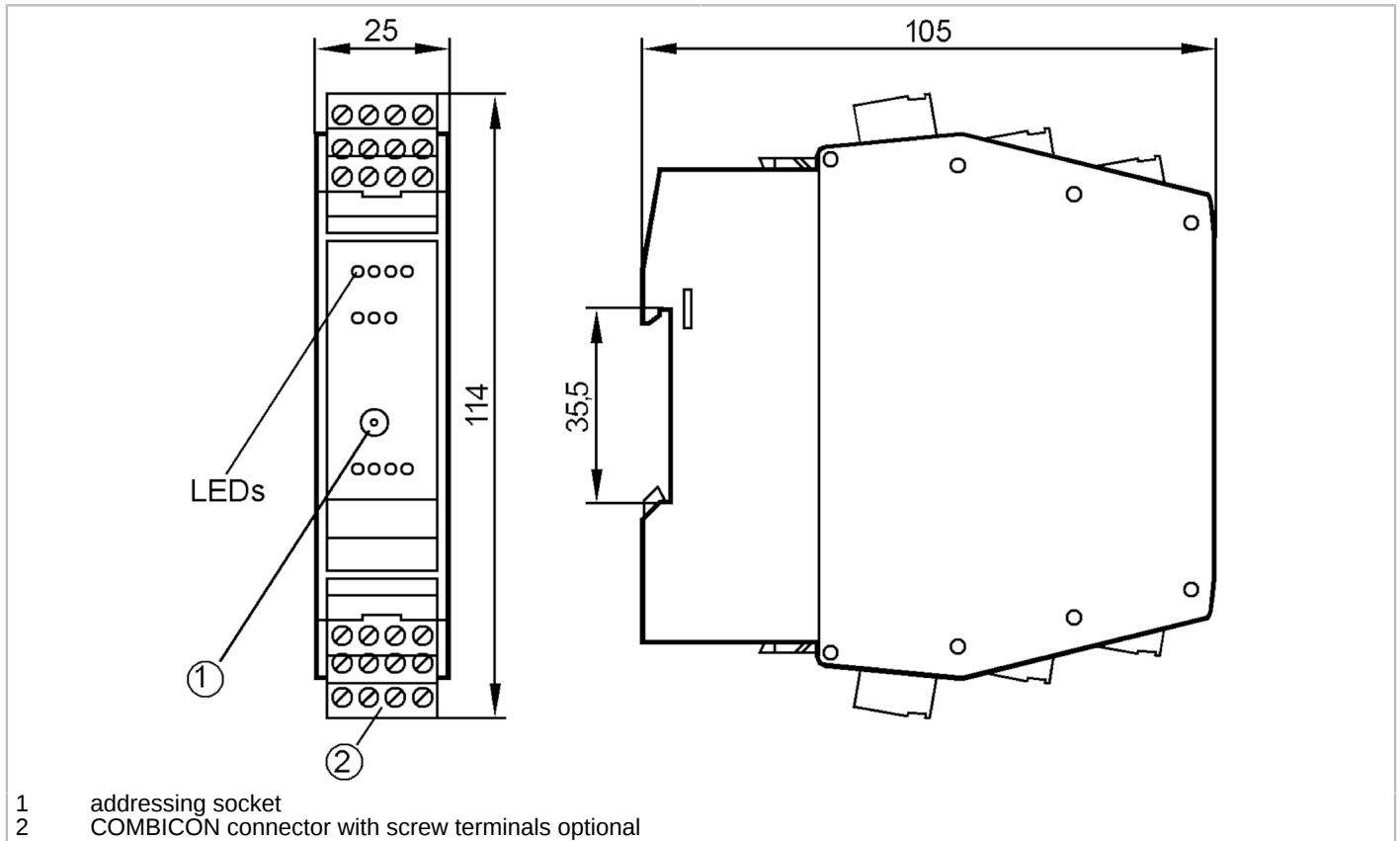


# AC2261



## AS-Interface control cabinet module

SmartLine25 4DI 4DO A/B T C



Application	
Design	only for operation with AS-i masters with the profile M4
Application	Installation in control cabinets
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	250
Additional voltage supply [V]	20...30 DC
Max. current consumption from additional supply [mA]	4000; (AUX)
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4; Number of digital outputs: 4
Inputs	
Number of digital inputs	4
Input circuit of digital inputs	PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs	AS-i
Voltage supply [V]	18...30; (DC)
Max. total current rating of inputs [mA]	200
Input current High [mA]	6...10
Input current Low [mA]	0...2



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Switching level high	[V]	> 11															
Digital inputs protected against short circuits		yes															
<b>Outputs</b>																	
Number of digital outputs		4															
Circuit		PNP															
Voltage range DC	[V]	20...30; (AUX)															
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))															
Max. current load outputs total	[A]	4															
Short-circuit proof		yes															
Electrically separated		yes															
Actuator supply outputs		AUX															
<b>Operating conditions</b>																	
Ambient temperature	[°C]	-25...70															
Max. relative air humidity	[%]	90; (non condensing)															
Max. height above sea level	[m]	2000															
Protection		IP 20															
Pollution degree		2															
<b>Tests / approvals</b>																	
EMC		EN 61000-6-2															
		EN 62026-2															
		EN 50581															
MTTF	[years]	235															
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.															
<b>AS-i classification</b>																	
AS-i version		3.0															
AS-i addressing		addressing socket															
Extended addressing mode		yes															
AS-i profile		S-7.A.7															
AS-i I/O configuration	[hex]	7															
AS-i ID code	[hex]	A.7															
AS-i certificate		60702															
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>O-3</td> <td>O-4</td> </tr> </tbody> </table>	data bit	D0	D1	D2	D3	input	I-1	I-2	I-3	I-4	Output	O-1	O-2	O-3	O-4
data bit	D0	D1	D2	D3													
input	I-1	I-2	I-3	I-4													
Output	O-1	O-2	O-3	O-4													
<b>Mechanical data</b>																	
Weight	[g]	150															
Housing		rectangular															
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))															
Dimensions	[mm]	114 x 25 x 105															
Materials		PA															



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### Displays / operating elements

Display	switching status	LED, yellow I1...I4, O1...O4
	operation	LED, green AS-i, AUX
	errors	LED, red

### Accessories

Accessories (optional)	connectors
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### Remarks

Remarks	Do not connect any of the following points to an external potential: I-, I+, I1, I2, I3, I4
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

### Electrical connection

pin header:

#### Connection

I-	I-	I-	I-
I <sup>1</sup>	I <sup>2</sup>	I <sup>3</sup>	I <sup>4</sup>
I+	I+	I+	I+

O-	O-	O-	O-
O <sup>1</sup>	O <sup>2</sup>	O <sup>3</sup>	O <sup>4</sup>
A+	A-	E+	E-

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
E+	actuator supply +24V
E-	actuator supply 0V
I1...I4	switching input sensor 1...4
O1...O4	switching output actuator 1...4
O-	switching output actuator 0V