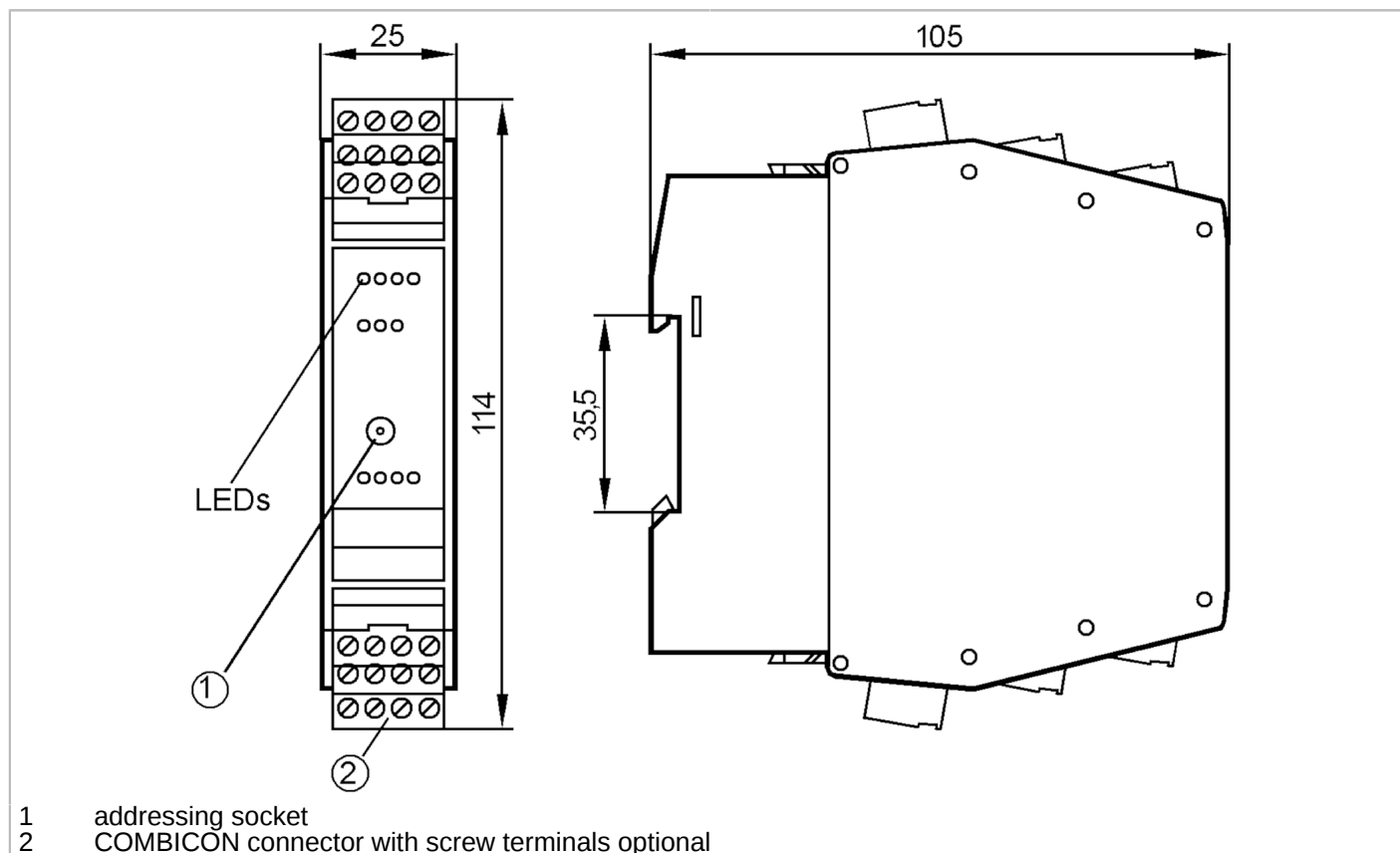




AS-Interface control cabinet module

SmartLine25 4DI 4DO A/B T C



Application

Application

only for operation with AS-i masters with the profile M4

Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	250
Max. current load total	[A]	4; (> 50 °C: 2000 mA)
Integrated watchdog		yes

Inputs

Number of digital inputs		4
Input circuit of digital inputs		PNP
voltage supply	[V]	20...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		AS-i



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Outputs						
Number of digital outputs		4				
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]		-25...70				
Protection		IP 20				
Tests / approvals						
EMC		EN 50295				
AS-i classification						
AS-i version		3.0				
AS-i addressing		addressing socket				
Extended addressing mode possible		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		data bit	D0	D1	D2	D3
		input	I-1	I-2	I-3	I-4
		Output	O-1	O-2	O-3	O-4
Mechanical data						
Weight [g]		149				
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						
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.				



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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	O4
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