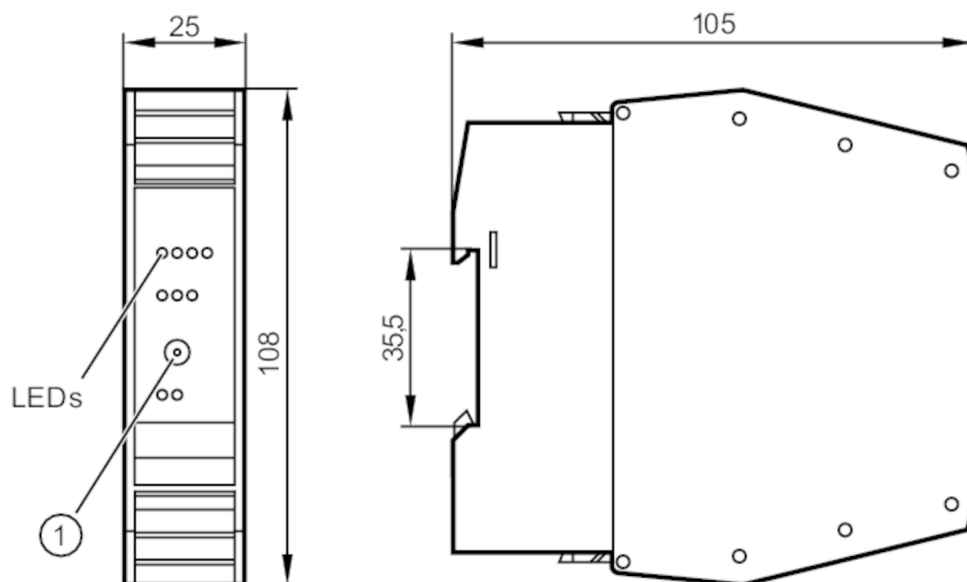


AS-Interface control cabinet module

SmartL25 4DI 4DO T C



1 addressing socket



Application

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; (AUX)
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
Power 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
Switching level high	[V]	> 11



AS-Interface control cabinet module

SmartL25 4DI 4DO T C

Digital inputs protected against short circuits	yes				
Outputs					
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				
Operating conditions					
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				
Tests / approvals					
EMC	EN 61000-6-2				
	EN 62026-2				
	EN 50581				
MTTF [years]	184				
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.				
AS-i classification					
AS-i version	2.11; 3.0				
AS-i addressing	addressing socket				
Extended addressing mode	no				
AS-i profile	S-7.0.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	0.E				
AS-i certificate	37301				
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]	141				
Type of mounting	mounting on DIN rail				
Materials	PA				
Displays / operating elements					
Display	switching status		LED, yellow I1...I4, O1...O4		
	operation		LED, green AS-i, AUX		
	errors		LED, red		



AS-Interface control cabinet module

SmartL25 4DI 4DO T C

Accessories																									
Accessories (optional)	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.																								
Electrical connection																									
pin header:																									
Connection																									
<table><tr><td>I-</td><td>I-</td><td>I-</td><td>I-</td></tr><tr><td>I1</td><td>I2</td><td>I3</td><td>I4</td></tr><tr><td>I+</td><td>I+</td><td>I+</td><td>I+</td></tr></table> <table><tr><td>O-</td><td>O-</td><td>O-</td><td>O-</td></tr><tr><td>O1</td><td>O2</td><td>O3</td><td>O4</td></tr><tr><td>A+</td><td>A-</td><td>E+</td><td>E-</td></tr></table>		I-	I-	I-	I-	I1	I2	I3	I4	I+	I+	I+	I+	O-	O-	O-	O-	O1	O2	O3	O4	A+	A-	E+	E-
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																								