

AS-Interface control cabinet module

SmartL25 4DI C



- 1 panel for labelling
- 2 addressing socket
- 3 DIN rail adapter



Application

Design	housing for DIN rail mounting
Application	Installation in control cabinets

Electrical data

Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	250

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4
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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



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Digital inputs protected against short circuits		yes				
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]	391				
AS-i classification						
AS-i version		2.11; 3.0				
AS-i addressing		addressing socket				
Extended addressing mode		yes				
AS-i master profile		M2; M3; M4				
AS-i profile		S-0.A.E				
AS-i I/O configuration	[hex]	0				
AS-i ID code	[hex]	A.E				
AS-i certificate		35401				
Assignment of the data bits		data bit	D0	D1	D2	D3
		input	I-1	I-2	I-3	I-4
Mechanical data						
Weight	[g]	136				
Housing		rectangular				
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))				
Dimensions	[mm]	93 x 25.4 x 108				
Materials		PC-GF20				
Displays / operating elements						
Display		switching status		LED, yellow I1...I4		
		operation		LED, green AS-i		
		errors		LED, red		
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.				



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Electrical connection

pin header:

Connection

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

A+	A-		

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
I1...I4	switching input sensor 1...4