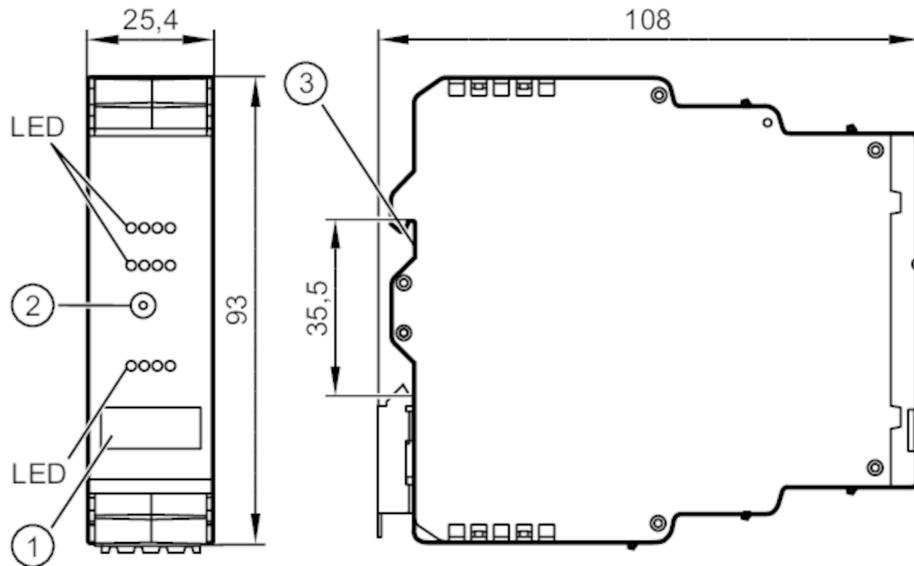


## AS-Interface control cabinet module

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]	50
Additional voltage supply	[V]	20..30 DC; (AUX)
Max. current consumption from additional supply	[mA]	600; (AUX)

**Inputs / outputs**

Number of inputs and outputs	Number of digital inputs: 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	AUX
Power supply	18..30; (DC)
Max. total current rating of inputs	500
Input current High	6...10

# AC2254



## AS-Interface control cabinet module

SmartL25 4DI C

Input current Low	[mA]	0...2										
Switching level high	[V]	> 11										
Digital inputs protected against short circuits		yes										
<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]	485										
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		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		39402										
Assignment of the data bits		<table border="1"> <tr> <td>data bit</td> <td>D0</td> <td>D1</td> <td>D2</td> <td>D3</td> </tr> <tr> <td>input</td> <td>I-1</td> <td>I-2</td> <td>I-3</td> <td>I-4</td> </tr> </table>	data bit	D0	D1	D2	D3	input	I-1	I-2	I-3	I-4
data bit	D0	D1	D2	D3								
input	I-1	I-2	I-3	I-4								
<b>Mechanical data</b>												
Weight	[g]	128.9										
Housing		rectangular										
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))										
Dimensions	[mm]	93 x 25.4 x 108										
Materials		PC-GF20										
<b>Displays / operating elements</b>												
Display	switching status	LED, yellow I1...I4										
	operation	LED, green AS-i, AUX										
	errors	LED, red										
<b>Accessories</b>												
Accessories (optional)		connectors										
<b>Remarks</b>												
Pack quantity		1 pcs.										

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### Electrical connection

pin header:

#### Connection

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

A+	A-		

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