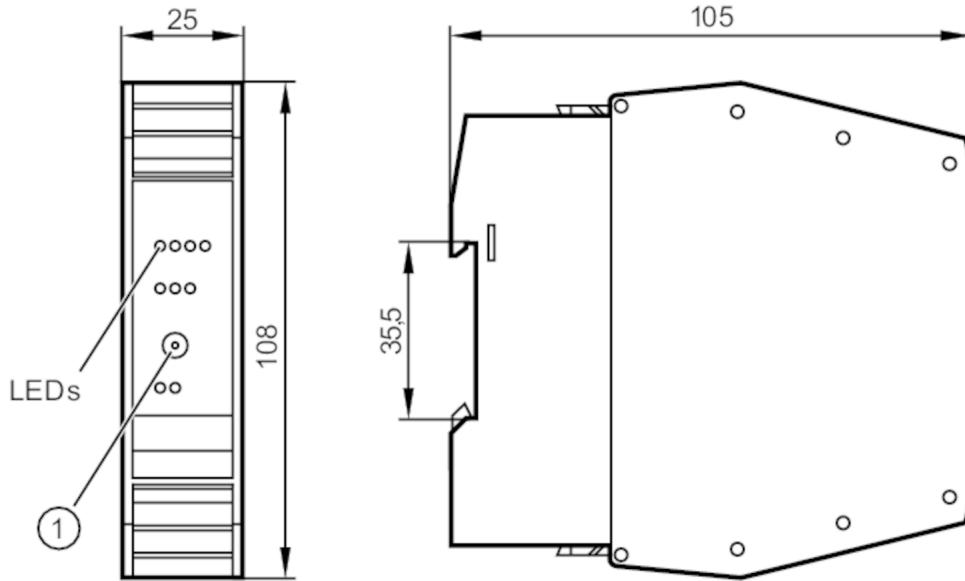


# AC2255

## AS-Interface control cabinet module

SmartL25 4DI 2DO R 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]	50
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	600; (AUX)
Integrated watchdog		yes

### Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 2
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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	AUX
Power supply	18...30; (DC)
Max. total current rating of inputs	500
Input current High	6...10
Input current Low	0...2
Switching level high	> 11

# AC2255



## AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Digital inputs protected against short circuits		yes
<b>Outputs</b>		
Voltage range DC	[V]	24; (All outputs have to be supplied with the same voltage.: 2 x 24 V DC)
Voltage range AC	[V]	10...240; (All outputs have to be supplied with the same voltage.: 2 x 240 V AC, same phase conductor)
Max. current load per output	[mA]	6000; (240 V AC; 24 V DC; ohmic resistance)
Number of relay outputs		2
Short-circuit proof		no
Electrically separated		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]	383
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 profile		S-7.A.E
AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	A.E
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 - -
<b>Mechanical data</b>		
Weight	[g]	171
Type of mounting		mounting on DIN rail
Materials		PA
<b>Displays / operating elements</b>		
Display	switching status	LED, yellow I1...I4, O1....O2
	operation	LED, green AS-i, AUX
	errors	LED, red
<b>Accessories</b>		
Accessories (optional)		connectors

# AC2255



## AS-Interface control cabinet module

SmartL25 4DI 2DO R C

### Remarks

Pack quantity

1 pcs.

### Electrical connection

pin header:

Connection

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

14	11	11	12
24	21	21	22
A+	A-		

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
E+	external voltage supply for sensors + 24 V (AUX)
E-	external voltage supply for sensors + 0 V (AUX)
I1...I4	switching input sensor 1...4
O1...O2	switching output relay 1...2
11	relay O1 changeover contact, common
12	relay O1 changeover contact, normally closed contact
14	relay O1 changeover contact, normally open
21	relay O2 changeover contact, common
22	relay O2 changeover contact, normally closed contact
24	relay O2 changeover contact, normally open