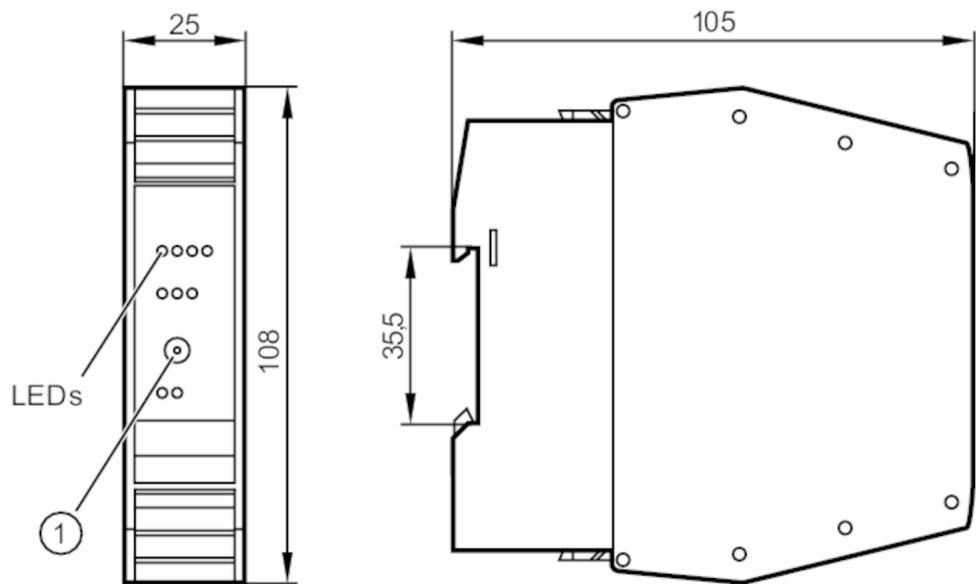


AC2255



AS-Interface control cabinet module

SmartL25 4DI 2DO R C



1 Addressing socket



Application

Application

I/O modules for control cabinet installations

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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SmartL25 4DI 2DO R C

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				
Voltage supply	[V]	18...30; (DC)				
Max. total current rating of inputs	[mA]	500				
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				
Outputs						
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; resistive load)				
Number of relay outputs		2				
Short-circuit proof		no				
Electrically separated		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				
Degree of soiling		2				
Tests / approvals						
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.				
AS-i classification						
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				
AS-i certificate pending		yes				
Data bits		Data bit	D0	D1	D2	D3
		Input	I-1	I-2	I-3	I-4
		Output	O-1	O-2	-	-

AC2255



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Mechanical data		
Weight	[g]	171
Type of mounting	Mounting on DIN rail	
Material	PA	
Displays / operating elements		
Display	Switching status	LED, yellow I1...I4, O1....O2
	Power	LED, green AS-i, AUX
	errors	LED, red
Accessories		
Accessories (optional)	connector	
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-		



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

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
14	Relay O1 Changeover contact, normally open
21	Relay O2 changeover contact, common
22	Relay O2 Changeover contact, normally closed
24	Relay O2 Changeover contact, normally open