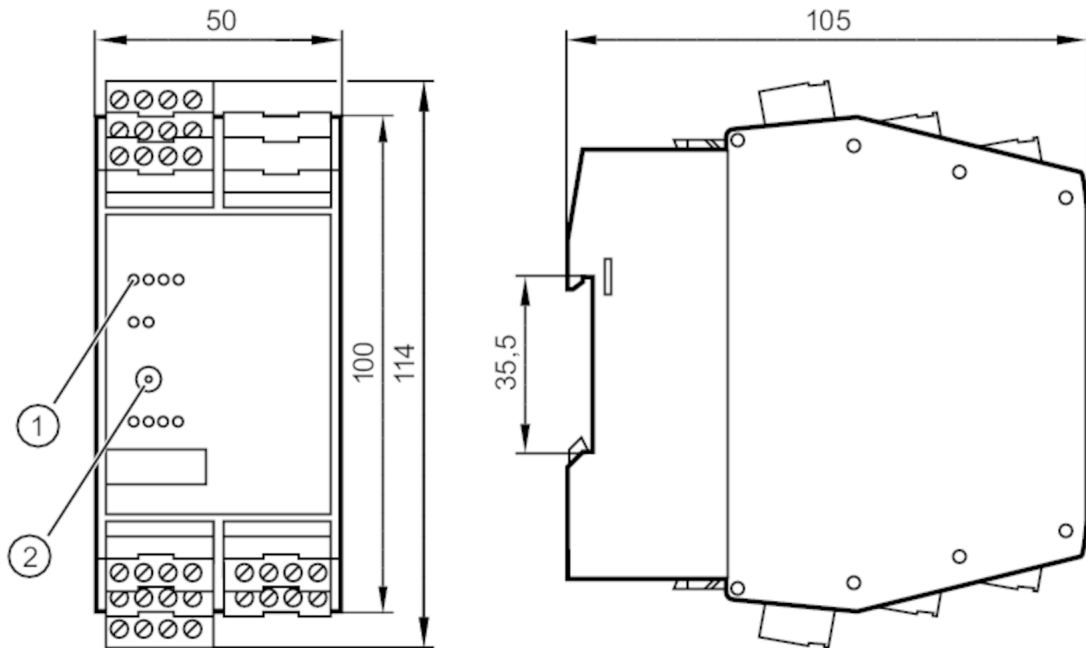


AS-Interface control cabinet module

SmartL50 4DI 4DO R C



- 1 LED
2 addressing socket



Application

Application	Installation in control cabinets
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Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	30
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	1100; (AUX)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 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		AUX
Power supply	[V]	20...30; (DC)
Max. total current rating of inputs	[mA]	1000
Input current High	[mA]	6...10
Input current Low	[mA]	0...2
Switching level high	[V]	> 11



AS-Interface control cabinet module

SmartL50 4DI 4DO R C

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; (ohmic resistance)				
Number of relay outputs		4				
Short-circuit proof		no				
Electrically separated		yes				
Operating conditions						
Ambient temperature	[°C]	-25...60				
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]	297				
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				
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]	246				
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			
Accessories						
Accessories (optional)		connectors				



AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Remarks

Pack quantity

1 pcs.

Electrical connection

pin header:

Connection

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

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

34	31	31	32
44	41	41	42

A+	AS-i +
A-	AS-i -
E+	external sensor supply +24V
E-	external sensor supply 0V
I+	Sensor supply +24V
I-	Sensor supply 0V
I1...4	switching input sensor 1...4
O1...O4	switching output relay 1...4
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
33, 34	relay O3 normally open
43, 44	relay O4 normally open