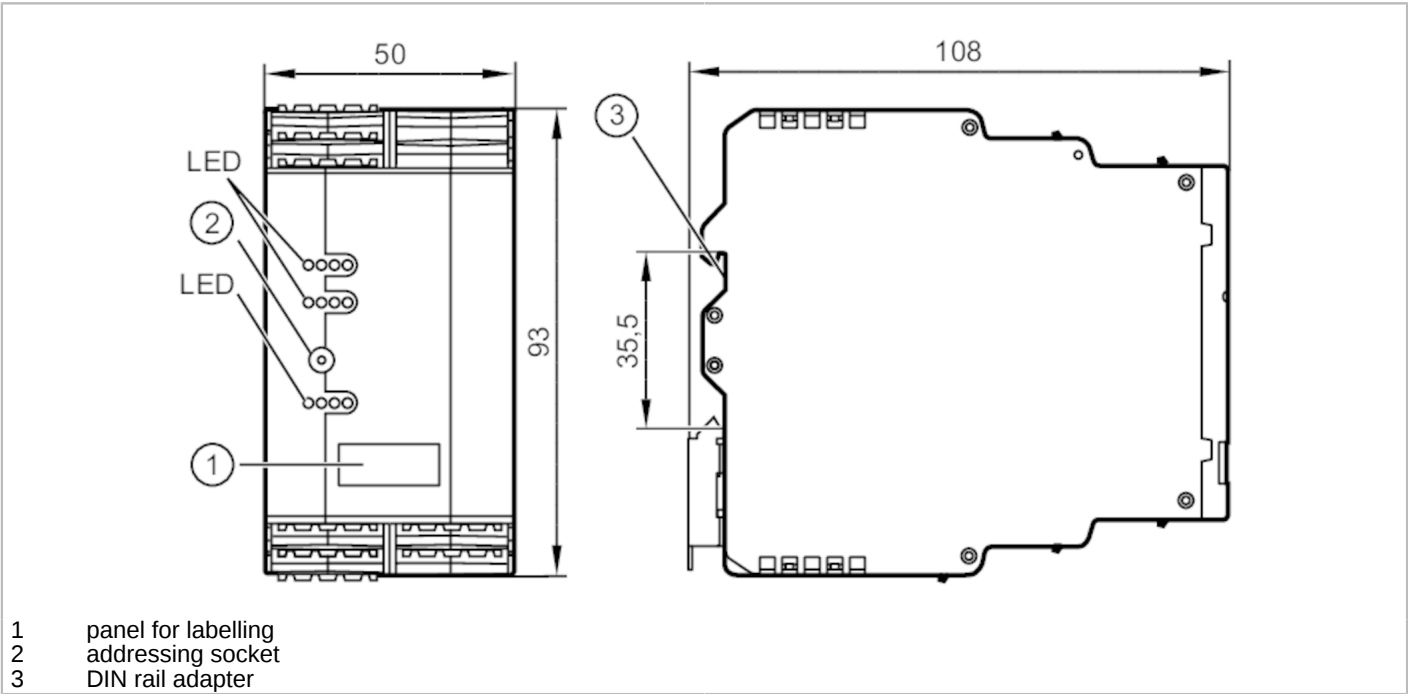




AS-Interface control cabinet module

SmartL50 4DI 4DO R C



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]	300
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of relay outputs: 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		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
Digital inputs protected against short circuits		yes
Outputs		
Voltage range DC	[V]	24
Voltage range AC	[V]	10...240



AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Max. current load per output [mA]	6000; (ohmic resistance)
Max. current load outputs total [A]	6; (240 V AC; 24 V DC; 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]	279	

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				
AS-i certificate pending	yes				
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]	275.7
Housing	rectangular
Type of mounting	mounting on DIN rail; (TH35 (EN 60715))
Dimensions [mm]	93 x 50 x 108
Materials	PC-GF20

Displays / operating elements

Display	switching status	LED, yellow I1...I4, O1....O4
	operation	LED, green AS-i
	errors	LED, red

Accessories

Accessories (optional)	connectors
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Remarks

Pack quantity	1 pcs.
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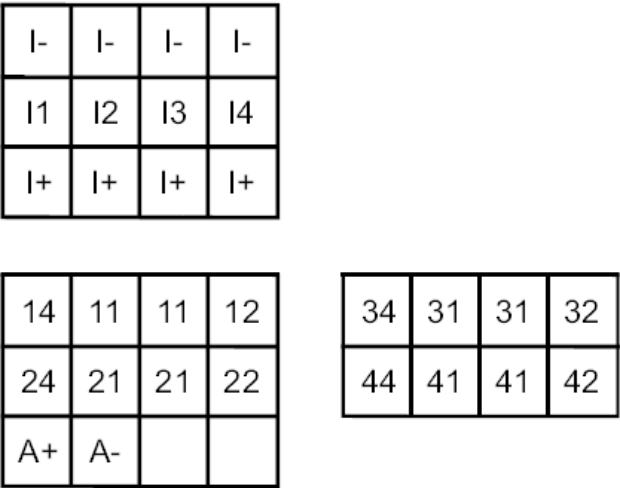
AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Electrical connection

pin header:

Connection



A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
I1...I4	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
31	relay O3 centre contact
32	relay O3 normally closed
34	relay O3 normally open
41	relay O4 centre contact
42	relay O4 normally closed
44	relay O4 normally open