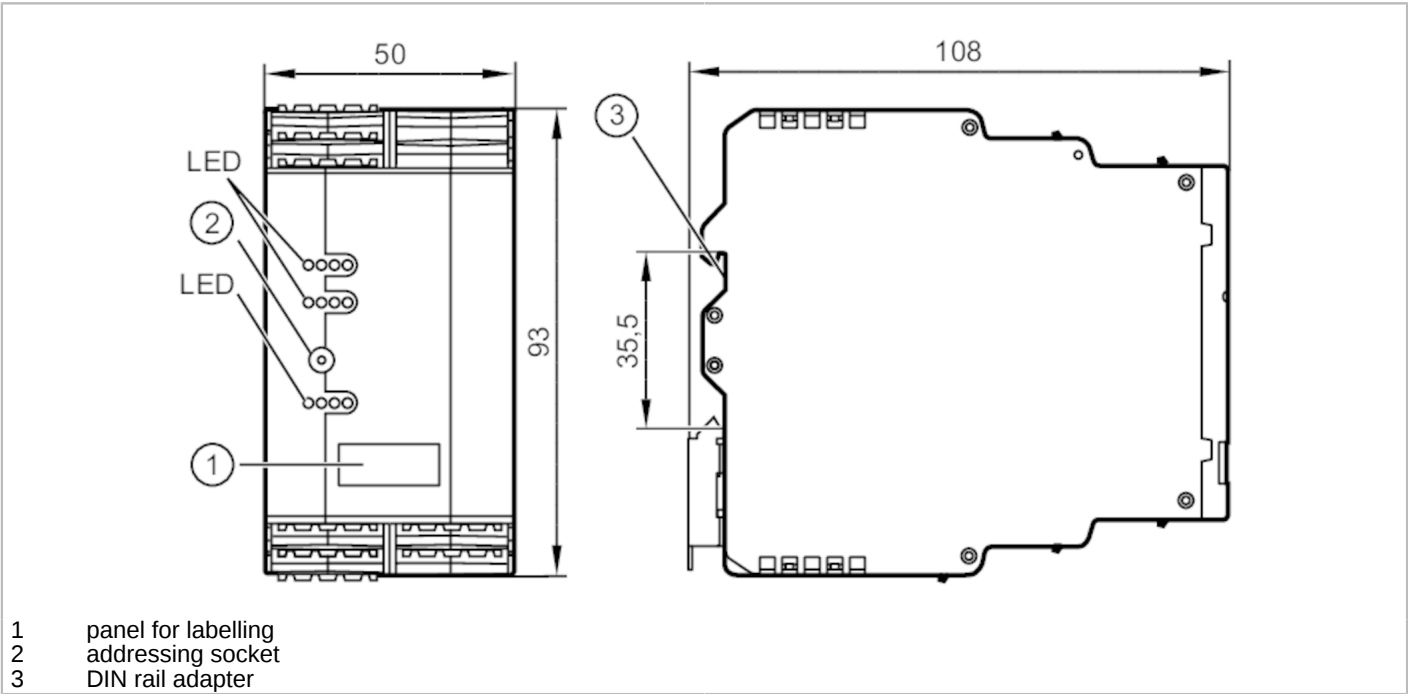




AS-Interface control cabinet module

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]	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
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
Digital inputs protected against short circuits		yes



AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Outputs						
Voltage range DC	[V]	24				
Voltage range AC	[V]	10...240				
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 master profile		M2; M3; M4				
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]	246				
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, AUX	
	errors				LED, red	
Accessories						
Accessories (optional)		connectors				



AS-Interface control cabinet module

SmartL50 4DI 4DO R C

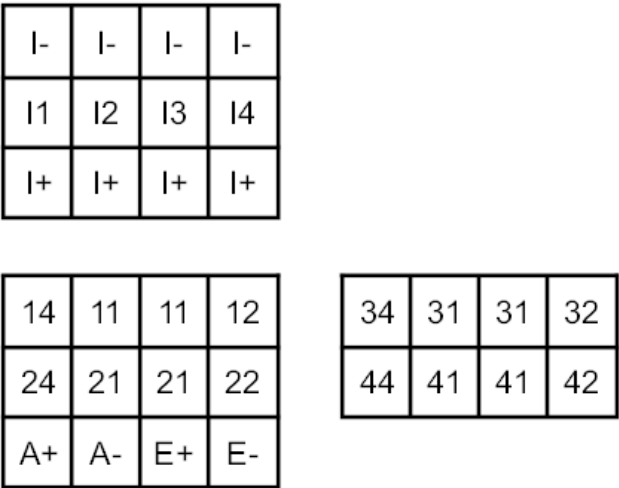
Remarks

Pack quantity	1 pcs.
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Electrical connection

pin header:

Connection



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
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