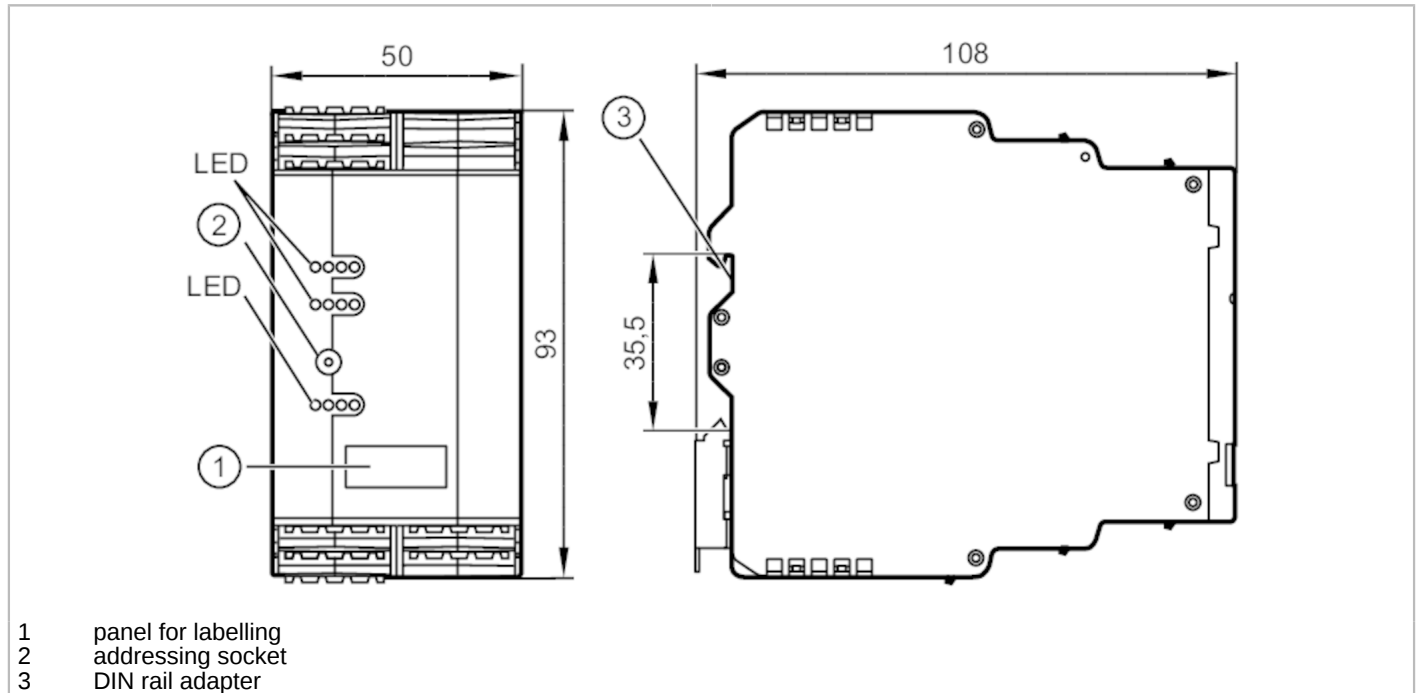


AS-Interface control cabinet module

SmartL50 4DI 4DO R C



Application

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

Outputs

Voltage range DC	[V]	24
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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
Type of mounting	mounting on DIN rail	
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
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Remarks

Pack quantity	1 pcs.
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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