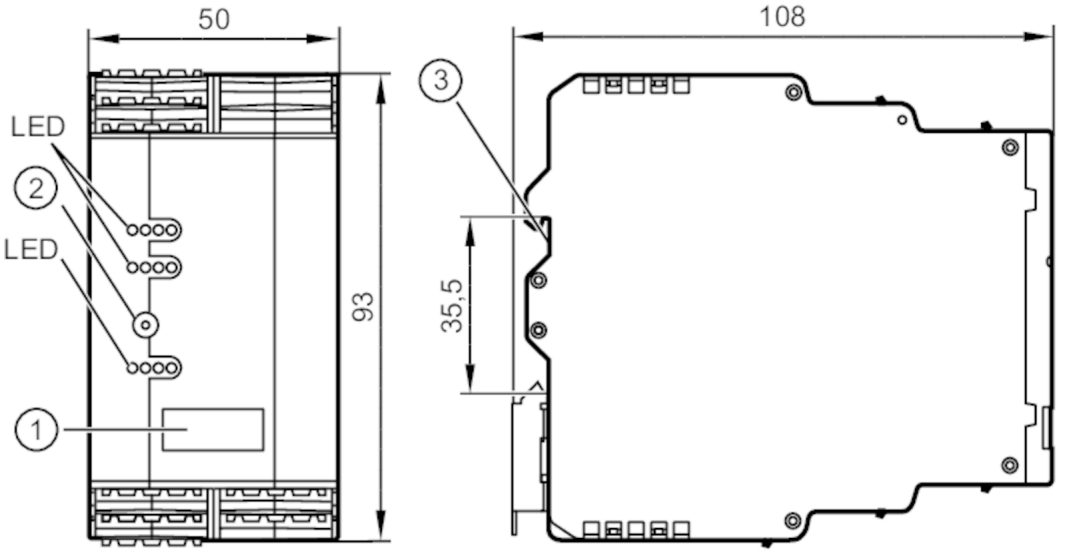
AC2258

AS-Interface control cabinet module

SmartL50 4DI 4DO R C



1 panel for labelling
2 addressing socket
3 DIN rail adapter

Application		
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
Max. current load per output	[mA]	6000; (ohmic resistance)

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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		housing for DIN rail mounting				
Type of mounting		mounting on DIN rail				
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				
Remarks						
Pack quantity		1 pcs.				

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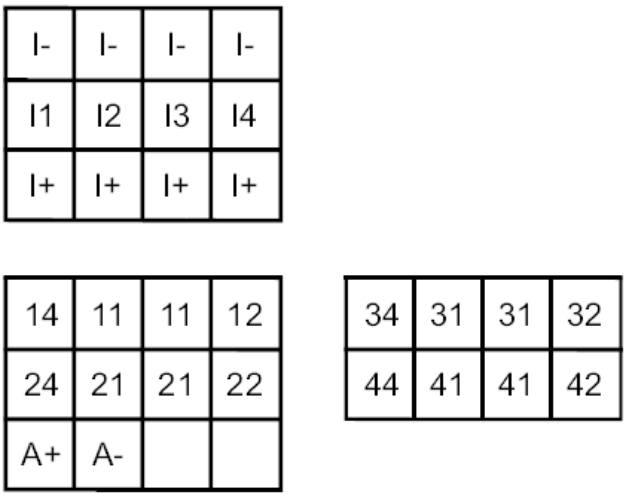
Electrical connection

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