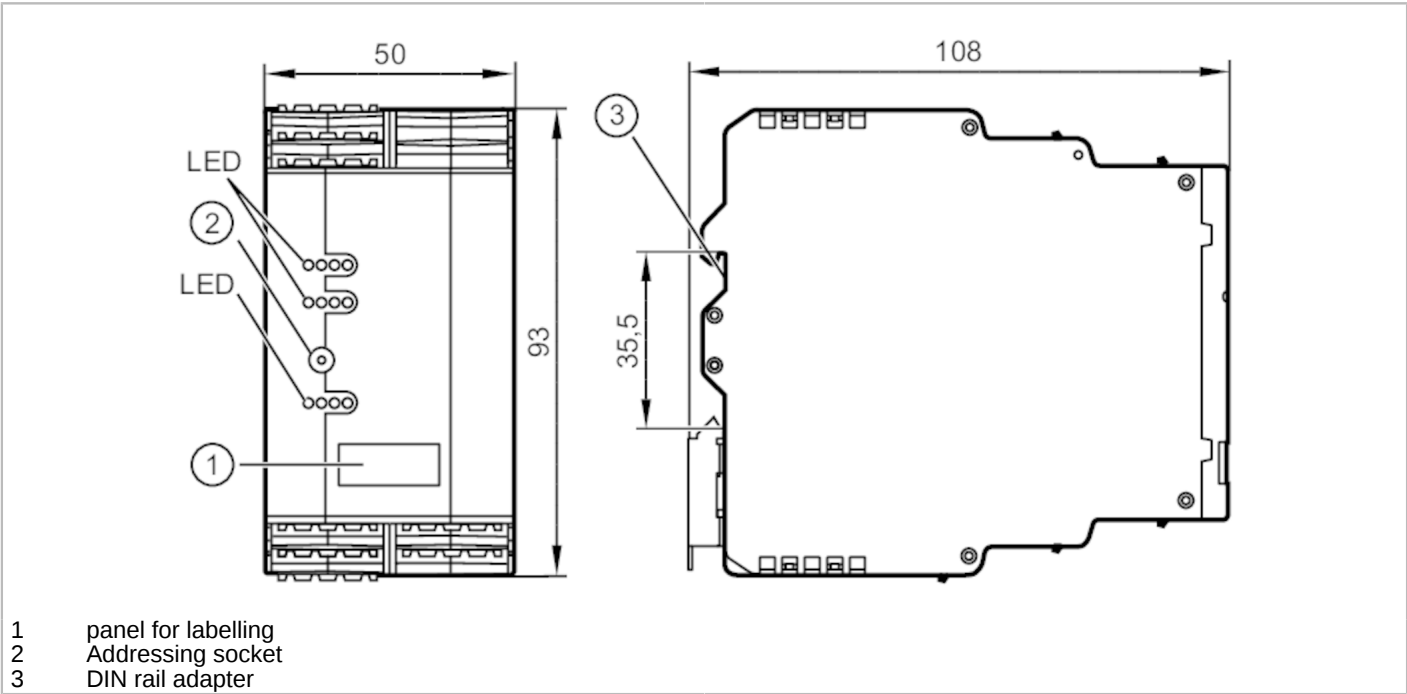


AC2259



AS-Interface control cabinet module

SmartL50 4DI 4DO R C



Application		
Design		housing for DIN rail mounting
Application		I/O modules for control cabinet installations
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
Voltage 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

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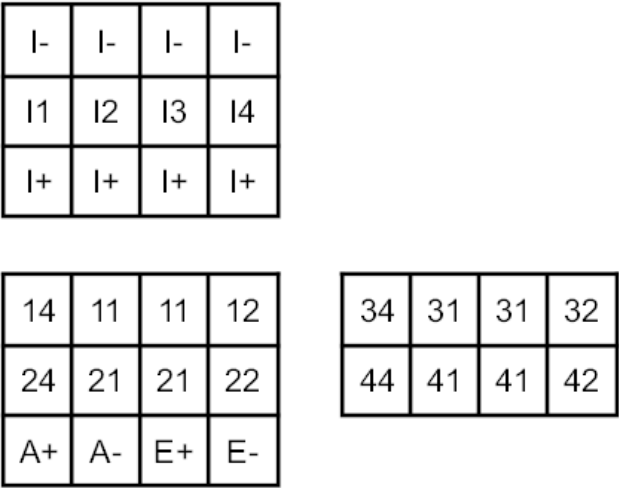
Outputs						
Voltage range DC	[V]	24				
Voltage range AC	[V]	10...240				
Max. current load per output	[mA]	6000; (resistive load)				
Number of relay outputs		4				
Contact rating		6 A; (max. 240 V AC / 24 V DC see diagram:: Contact rating normally open (NO): B300: 6000 cycles)				
Short-circuit proof		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				
Degree of soiling		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				
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				
Material		PC-GF20				
Displays / operating elements						
Display		Switching status		LED, yellow I1...I4, O1....O4		
		Power		LED, green AS-i, AUX		
		errors		LED, red		



AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Accessories	
Accessories (optional)	connector
Remarks	
Pack quantity	1 pcs.
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
14	Relay O1 Changeover contact, normally open
21	Relay O2 changeover contact, common
22	Relay O2 Changeover contact, normally closed
24	Relay O2 Changeover contact, normally open
31	Relay O3 center contact
32	Relay O3 normally closed
34	Relay O3 normally open
41	Relay O4 center contact
42	Relay O4 normally closed
44	Relay O4 normally open

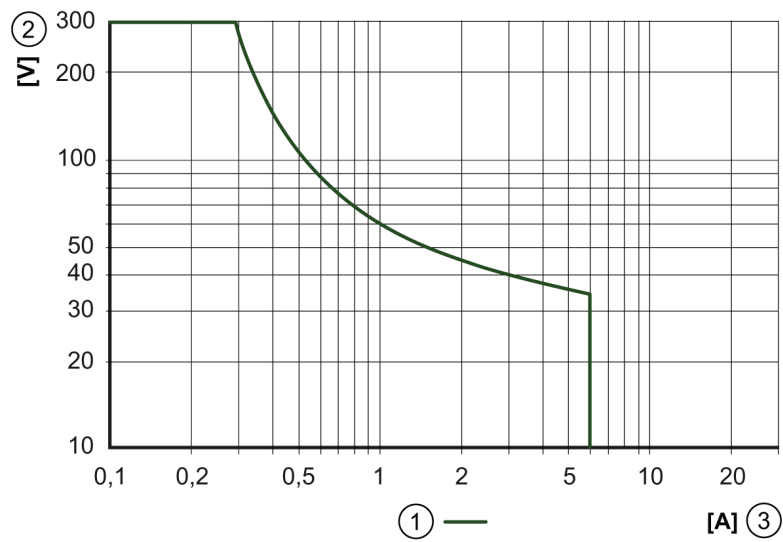


AS-Interface control cabinet module

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Diagrams and graphs

Contact rating



- 1 resistive load
- 2 Voltage [DC]
- 3 Current [DC]