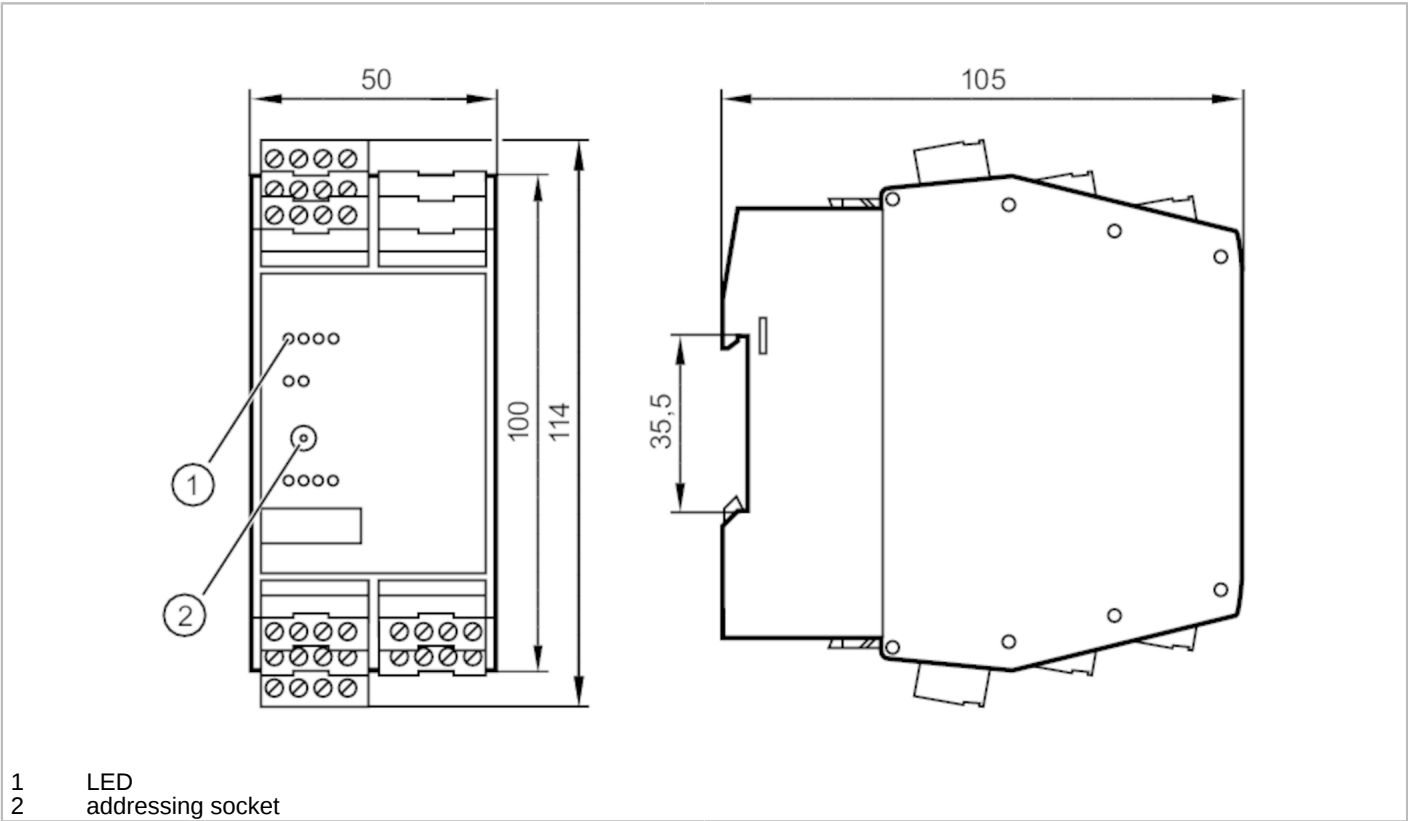




AS-Interface control cabinet module

SmartL50 4DI 4DO R C



- 1 LED
- 2 addressing socket



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



AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Outputs						
Voltage range DC	[V]	24; (All outputs have to be supplied with the same voltage.: 2 x 24 V DC)				
Voltage range AC	[V]	10...240; (All outputs have to be supplied with the same voltage.: 2 x 240 V AC, same phase conductor)				
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 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				
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				
Type of mounting		mounting on DIN rail				
Materials		PA				
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.				



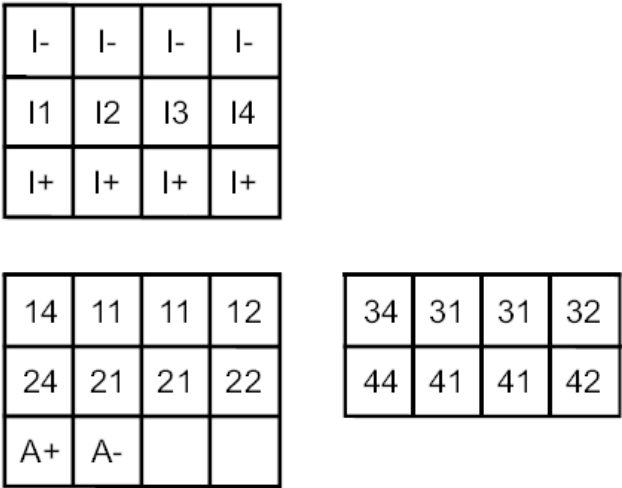
AS-Interface control cabinet module

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
33, 34	relay O3 normally open
43, 44	relay O4 normally open