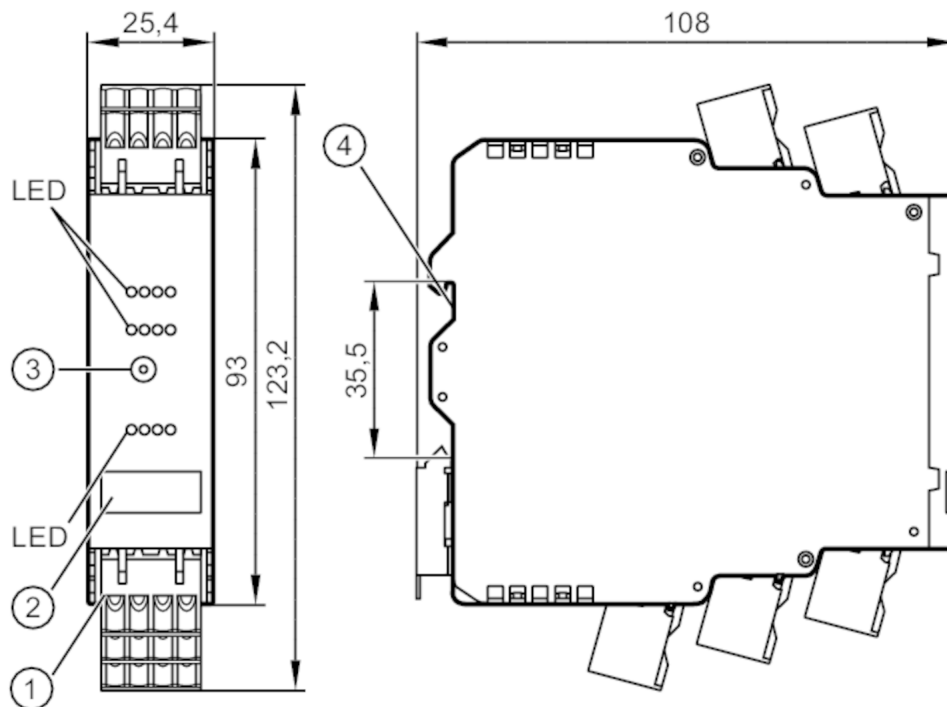


AS-Interface control cabinet module

SmartL25 4DI 4DO R C



- 1 plug with cage clamp connection
- 2 panel for labelling
- 3 addressing socket
- 4 mounting on DIN rail



Application

Design	housing for DIN rail mounting, only for operation with AS-i masters with the profile M4
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



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Digital inputs protected against short circuits	yes
---	-----

Outputs	
Voltage range DC [V]	24; (The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. 2 x 24 V DC)
Voltage range AC [V]	10...240; (The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. 2 x 240 V AC)
Max. current load per output [mA]	6000; (ohmic resistance)
Max. current load outputs total [A]	24; (ohmic resistance)
Overall current rating for outputs (UL) [A]	6; (ohmic resistance)
Number of relay outputs	4
Short-circuit proof	no
Electrically separated	yes

Operating conditions	
Ambient temperature [°C]	-25...65
Note on ambient temperature	the derating of the current load indicated in the operating instructions is to be taken into account at the following ambient temperature: > 55 °C
Storage temperature [°C]	-25...75
Max. relative air humidity [%]	90; (non condensing)
Max. height above sea level [m]	2000
Protection	IP 20
Protection rating terminals	IP 20
Pollution degree	2

Tests / approvals	
EMC	EN 62026-2
	EN 61000-6-2
	EN 61000-6-3
MTTF [years]	295

AS-i classification						
AS-i version		3.0				
AS-i addressing		addressing socket				
Extended addressing mode		yes				
AS-i master profile		M4				
AS-i profile		S-7.A.7				
AS-i I/O configuration [hex]		7				
AS-i ID code [hex]		A.7				
AS-i ID1 code [hex]		7; (fixed)				
AS-i certificate		124301				
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]	216.05
Housing	rectangular

AC3220



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Type of mounting	mounting on DIN rail; (TH35 (EN 60715))	
Dimensions [mm]	123.2 x 25.4 x 108	
Materials	plastics; PC-GF20	
Displays / operating elements		
Display	switching status	LED, yellow I1...I4, O1...O4
	operation	LED, green AS-i
	errors	LED, red
Accessories		
Items supplied	cage clamps	
Remarks		
Remarks	Do not connect any of the following points to an external potential:	
	I-, I+, I1, I2, I3, I4	
	The connections are electrically connected with the AS-i cable.	
Pack quantity	1 pcs.	

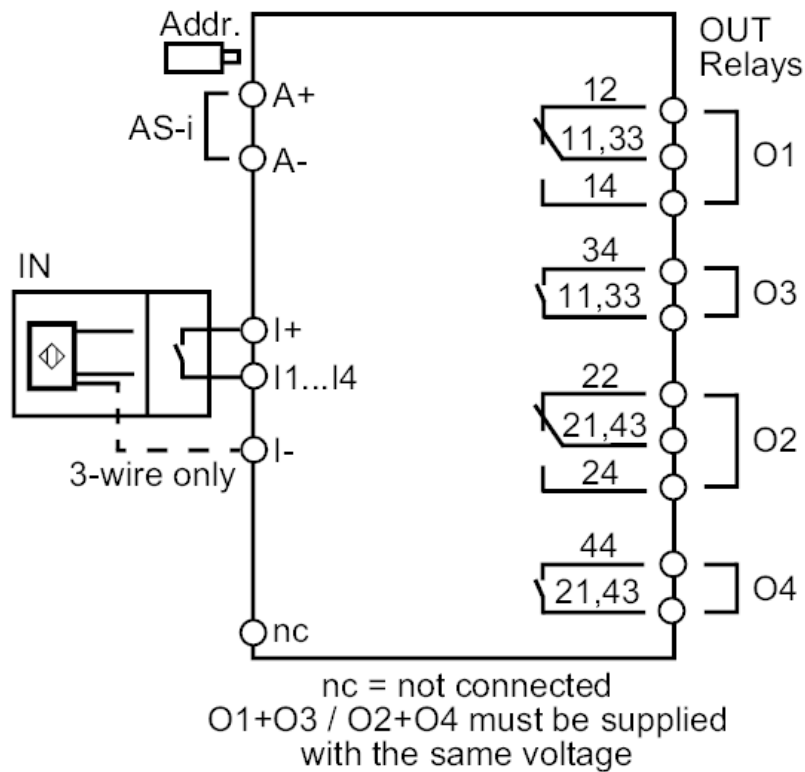
AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

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
nc	not used