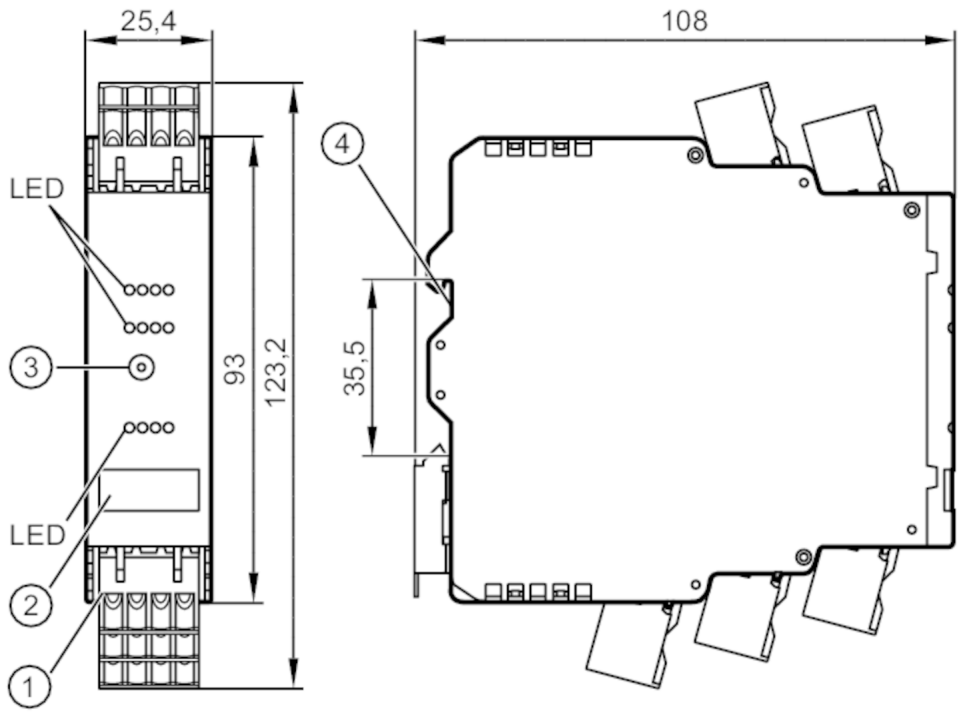


AC3220



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	Only for operation with AS-i masters with the profile M4
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]	300
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 4



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

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
Voltage 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
Min. switching level high signal [V]		11
Digital inputs protected against short circuits		yes
Outputs		
Voltage range DC [V]		24; (AUX; 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; (resistive load)
Max. current load outputs total [A]		24; (resistive load)
Overall current rating for outputs (UL) [A]		6; (resistive load)
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
Degree of soiling		2
Tests / approvals		
EMC	EN 62026-2	
	EN 61000-6-2	
	EN 61000-6-3	
MTTF [years]		295



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

AS-i classification						
AS-i version		3.0				
AS-i addressing		Addressing socket				
Extended addressing mode		yes				
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				
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] 233.5				
Type of mounting		Mounting on DIN rail				
Material		plastics; PC-GF20				
Displays / operating elements						
Display		Switching status		LED, yellow I1...I4, O1...O4		
		Power		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.				



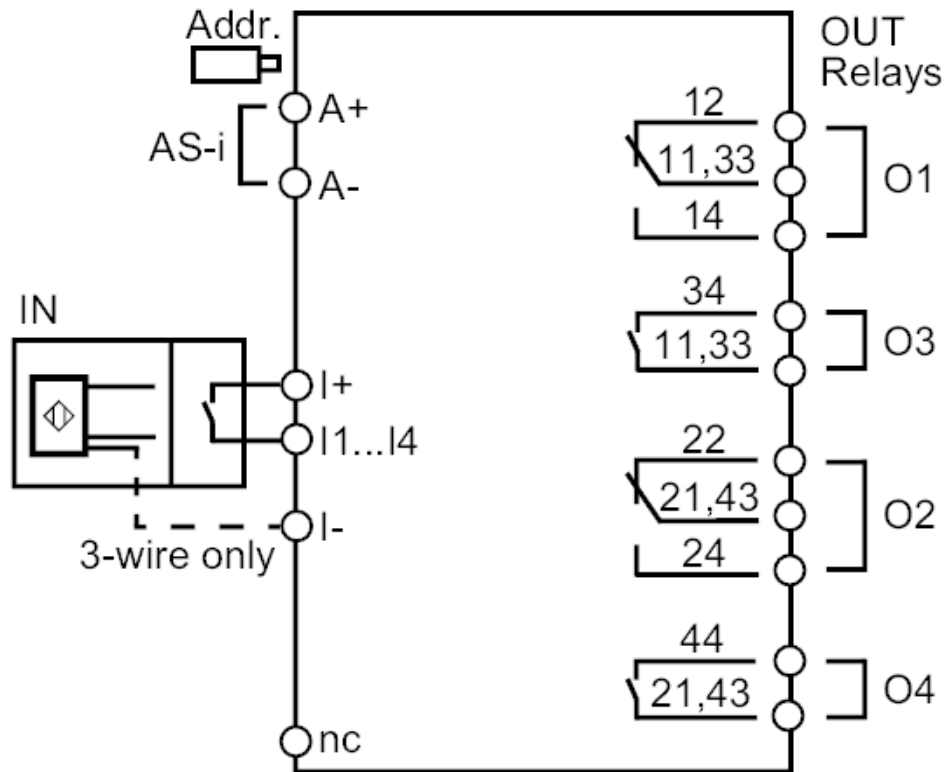
AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection



nc = not connected
O1+O3 / O2+O4 must be supplied
with the same voltage

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
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
33, 34	Relay O3 normally open
43, 44	Relay O4 normally open
nc	not used