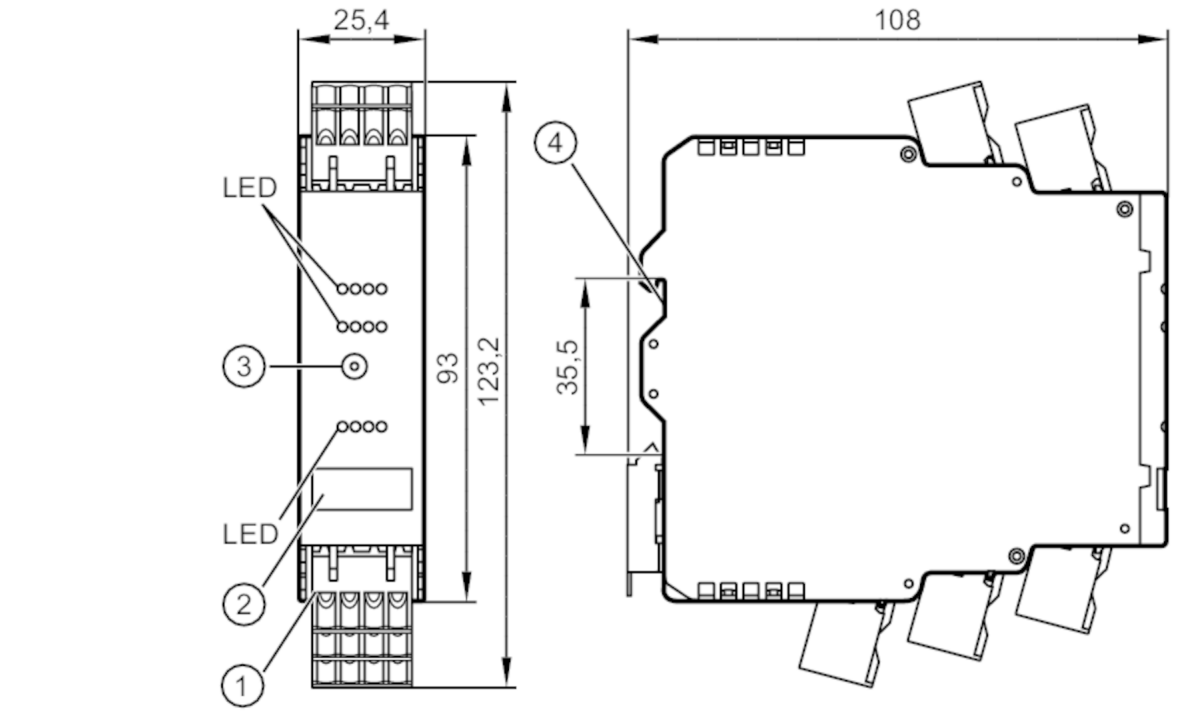
AC3221

AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C



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

Application		
Application		only for operation with AS-i masters with the profile M4
Electrical data		
Operating voltage	[V]	18...31.6 DC; (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.)
Max. current consumption from AS-i	[mA]	30
Max. current load total	[A]	6; (ohmic resistance)
Additional voltage supply	[V]	20...30 DC; (AUX)
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of relay outputs: 4

AC3221

AS-Interface control cabinet module

SmartL25 4DI AUX 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		external (E+/E-), to SELV
Voltage supply	[V]	16...30
Max. total current rating of inputs	[mA]	1000
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; (external (E+/E-), to SELV; The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. e.g. 2 x 240 V AC or 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. e.g. 2 x 240 V AC or 2 x 24 V DC)
Max. current load per output	[mA]	6000; (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
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]	248
AS-i classification		
AS-i version		3.0
AS-i addressing		addressing socket
Extended addressing mode possible		yes
AS-i profile		S-7.A.7
AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	A.7
AS-i certificate		124301

AC3221

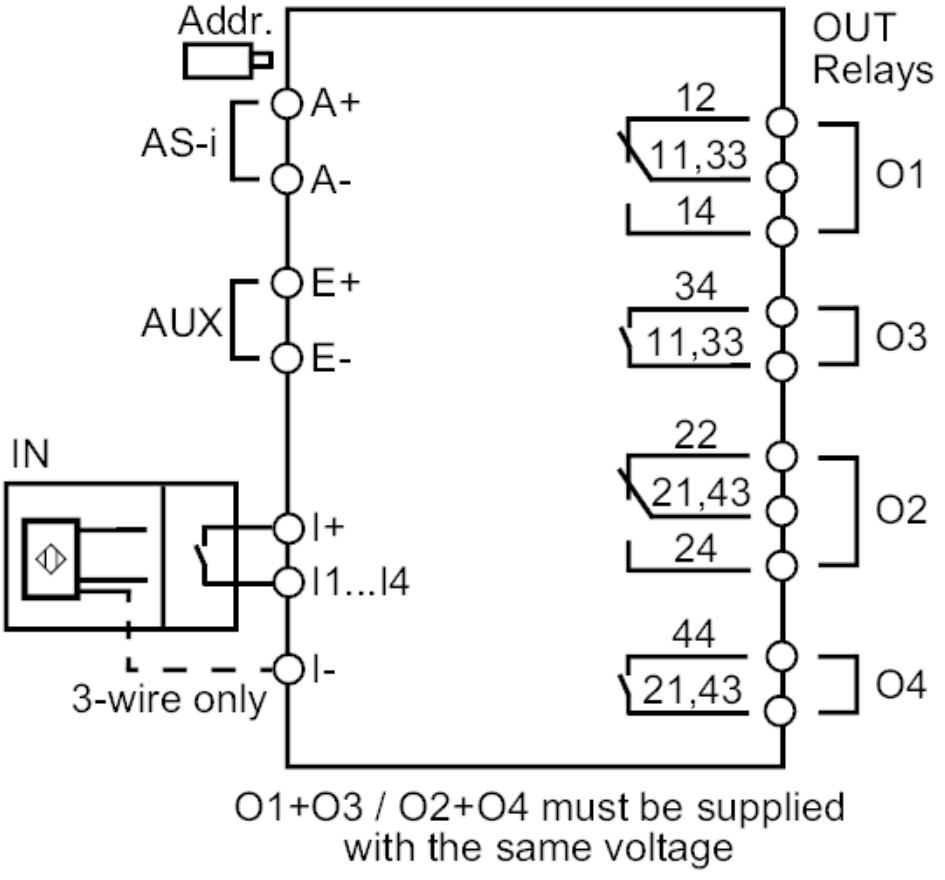
AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C

Mechanical data			
Weight	[g]	220.5	
Type of mounting		mounting on DIN rail; string mounting possible	
Materials		plastics; PC-GF20	
Displays / operating elements			
Display		switching status	LED, yellow I1...I4, O1...O4
		operation	LED, green AS-i, AUX
		errors	LED, red
Accessories			
Accessories (supplied)		COMBICON connectors	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

pin headers: 4 x ; Spacing: 5.0 mm

Connection



AC3221

AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C

A+	AS-i +
A-	AS-i -
E+	external voltage supply for sensors + 24 V (AUX)
E-	external voltage supply for sensors + 0 V (AUX)
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