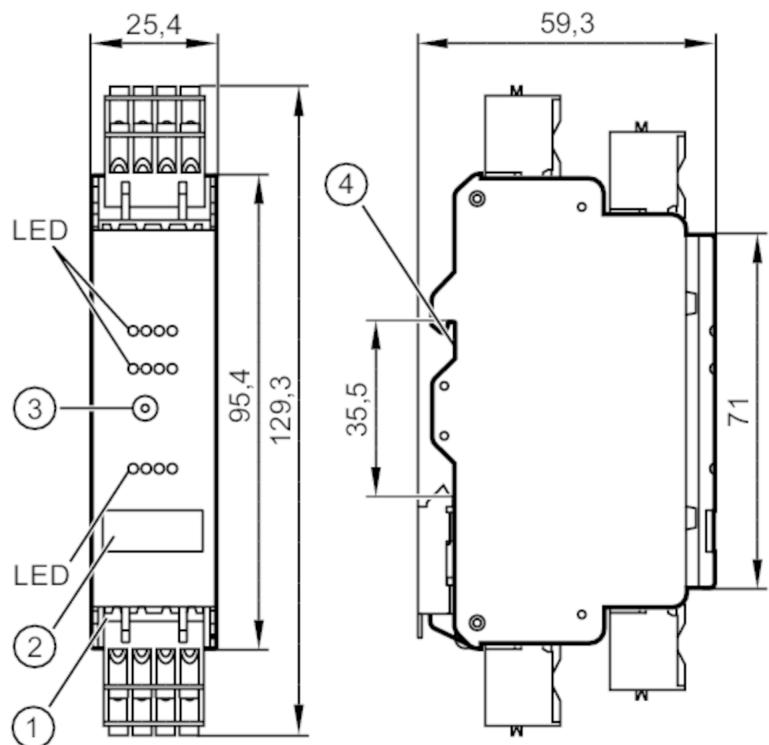


AC3200



AS-Interface control cabinet module

SmartL25 4DI 4DO T C



- 1 Plug with cage clamp connection
- 2 panel for labelling
- 3 Addressing socket
- 4 DIN rail adapter



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]	18...31.6 DC
Max. current consumption from AS-i	[mA]	250
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	4000; (AUX)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of digital outputs: 4
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AS-Interface control cabinet module

SmartL25 4DI 4DO T 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		
Number of digital outputs		4
Circuit		PNP
Voltage range DC [V]		20...30; (AUX)
Max. current load per output [mA]		1000; (utilization category DC-12: 700 mA; utilization category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))
Max. current load outputs total [A]		4
Short-circuit proof		yes
Electrically separated		yes
Actuator supply outputs		AUX
Operating conditions		
Ambient temperature [°C]		-25...60
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: > 40 °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]		261
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-Interface control cabinet module

SmartL25 4DI 4DO T 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		7			
AS-i ID code		A.7			
AS-i ID1 code		7; (fixed)			
AS-i certificate		124401			
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] 152
Type of mounting	Mounting on DIN rail
Material	plastics; PC-GF20

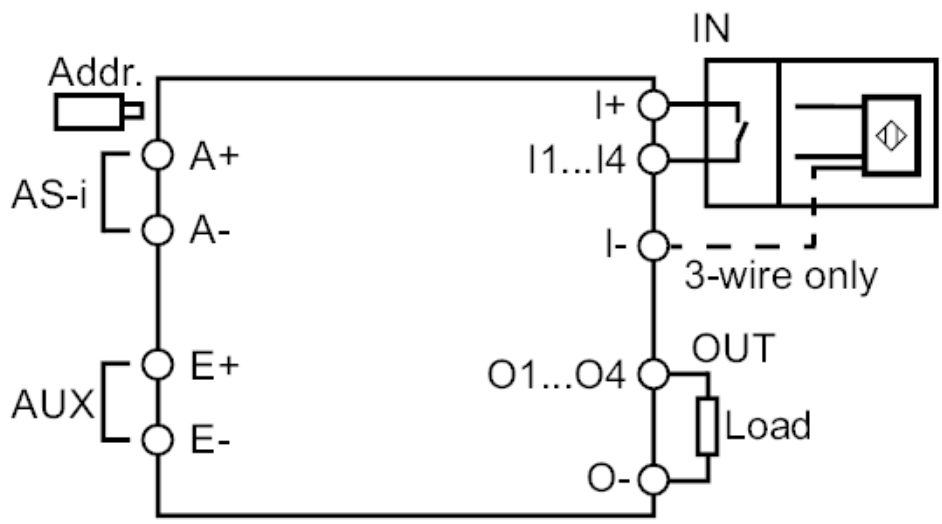
Displays / operating elements		
Display	Switching status	LED, yellow I1...I4, O1...O4
	Power	LED, green AS-i, AUX
	errors	LED, red

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.

Electrical connection	
pin headers: 4 x ; Spacing: 5.0 mm	

Connection



AC3200



AS-Interface control cabinet module

SmartL25 4DI 4DO T C

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24 V
I-	Sensor supply 0 V
E+	External voltage supply for actuators +24V (AUX)
E-	External voltage supply for actuators 0V (AUX)
I1...I4	Switching input sensor 1...4
O1...O4	Switching output actuator 1...4
O-	Switching output actuator 0V