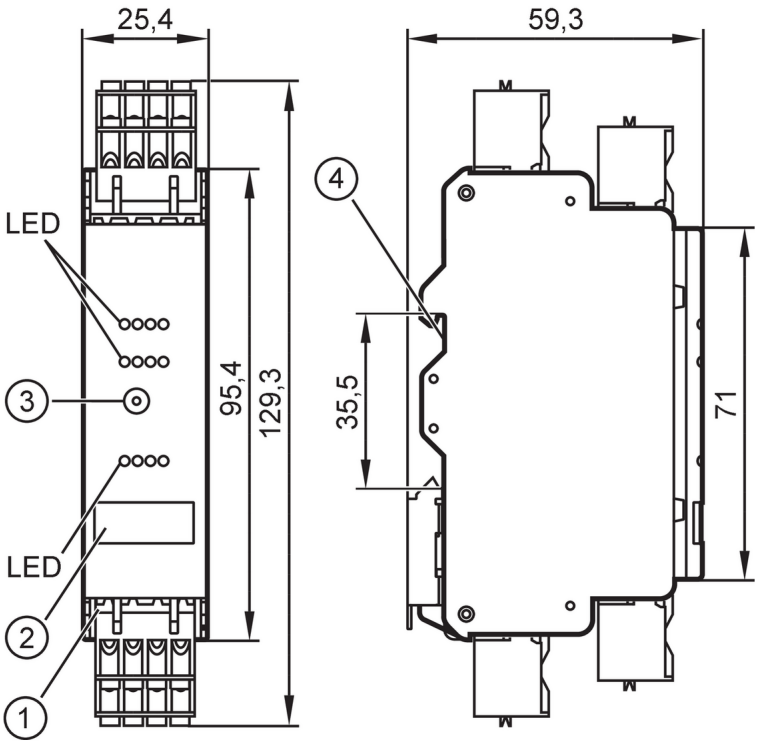
AC3200

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 holder

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]	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
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

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Input current Low	[mA]	0...2
Switching level high	[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; (utilisation category DC-12: 700 mA; utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))
Total current rating of all outputs	[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
Pollution degree		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-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		124401

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

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Mechanical data		
Weight	[g]	136.5
Housing		rectangular
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	129.3 x 25.4 x 59.3
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

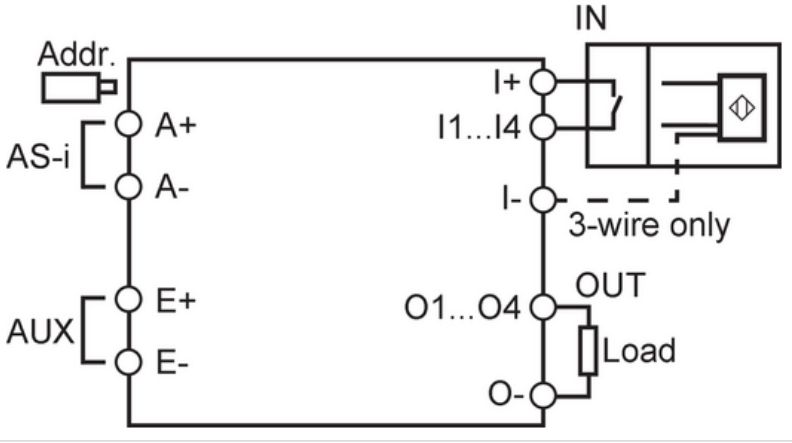
Accessories	
Items supplied	cage clamps

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



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