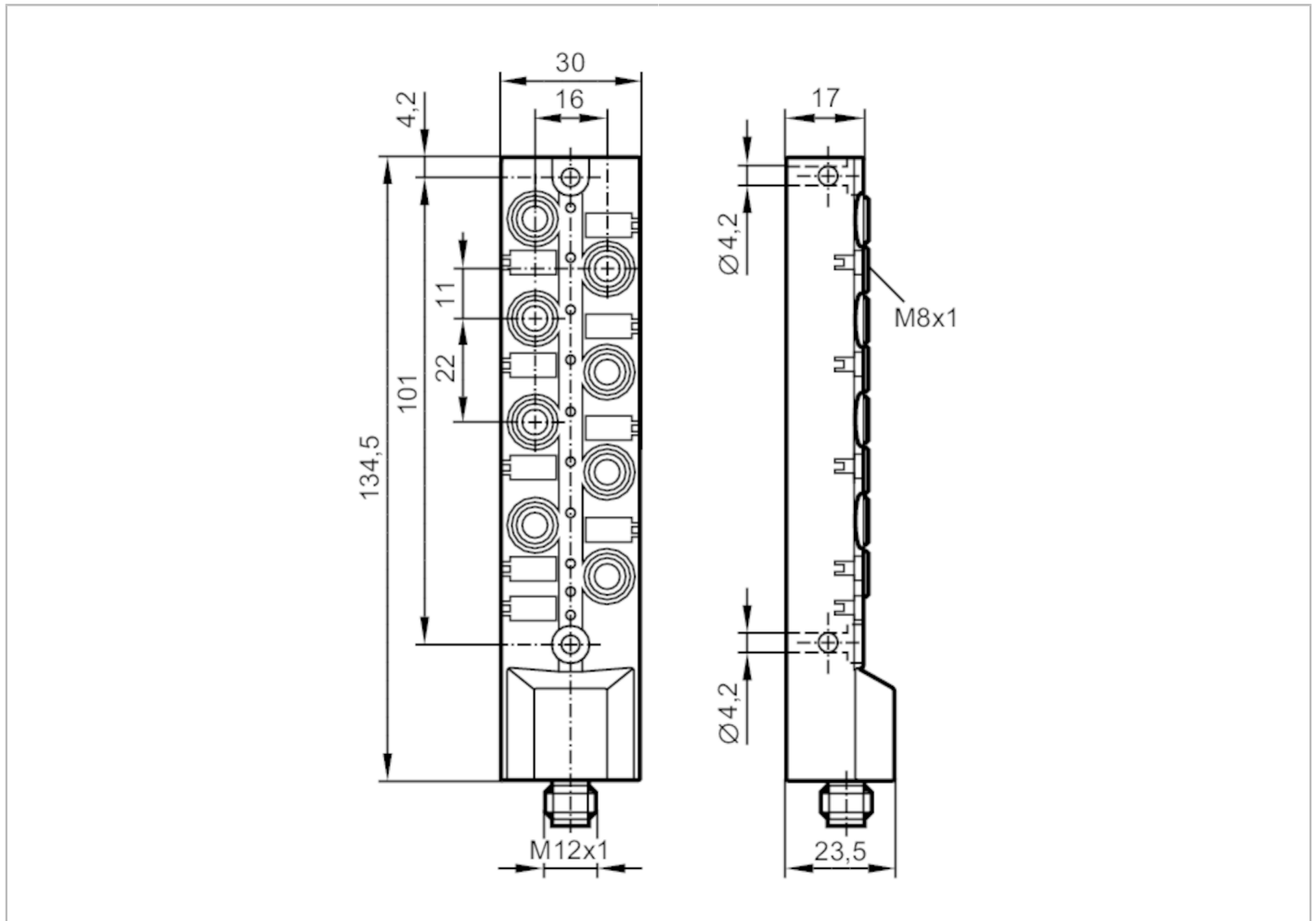


AC2490



AS-Interface CompactLine module

CompactM8 4 DI 4 DO



Application	
Design	Only for operation with AS-i masters with the profile M4, for the connection of mechanical contacts a suitable sensor is to be connected to any input
Application	field installation
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	230
Additional voltage supply [V]	15...30 DC; (AUX)
Max. current consumption from additional supply [mA]	1000; (AUX; < 40 °C: 2 A)
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

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CompactM8 4 DI 4 DO

Voltage supply	[V]	18...30; (DC)
Max. total current rating of inputs	[mA]	180
Input current High	[mA]	6...10
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]	15...30; (AUX)
Max. current load per output	[mA]	500; (< 40 °C: 1000 mA)
Short-circuit proof		yes
Electrically separated		yes
Actuator supply outputs		AUX

Operating conditions

Ambient temperature	[°C]	-25...60
Storage temperature	[°C]	-25...60
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 65; IP 67; IP 68

Tests / approvals

EMC		EN 62026-2
		EN 50581
MTTF	[years]	278
UL approval		voltage supply Class 2

AS-i classification

AS-i version		3.0			
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			
Data bits	Data bit	D0	D1	D2	D3
	Input	1	2	3	4
	Socket	I-1	I-2	I-3	I-4
	Pin	4	4	4	4
	Output	1	2	3	4
	Socket	O-1	O-2	O-3	O-4
	Pin	4	4	4	4

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Parameter bits	Parameter bit	Description					
	P0	not used					
	P1	peripheral fault indication	: 1	activated	/ 0	disabled	
	P2	not used					
	P3	not used					

Mechanical data

Weight	[g]	150
Type of mounting		Backplane mounting
Dimensions	[mm]	134.5 x 30 x 23.5
Material		PBT

Displays / operating elements

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

Electrical connection

Module connection	M12
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Accessories

Items supplied	label tag
	Protective caps: 2
Accessories (optional)	Protective cap: M8, E73005
	Flat cable insulation displacement connector: 1 m, round cable, E70582
	DIN rail adapter:, E73007

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 - AS-i

Connector: 1 x M12; coding: A



1	AS-i +
2	AUX -
3	AS-i -
4	AUX +

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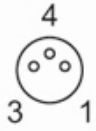


AS-Interface CompactLine module

CompactM8 4 DI 4 DO

Electrical connection - Inputs

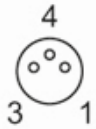
Connector: 4 x M8; coding: A



Inputs	
1	Sensor supply L+
3	Sensor supply L-
4	Data input

Electrical connection - Outputs

Connector: 4 x M8; coding: A



Outputs	
1	not used
3	External voltage AUX -
4	Switching output