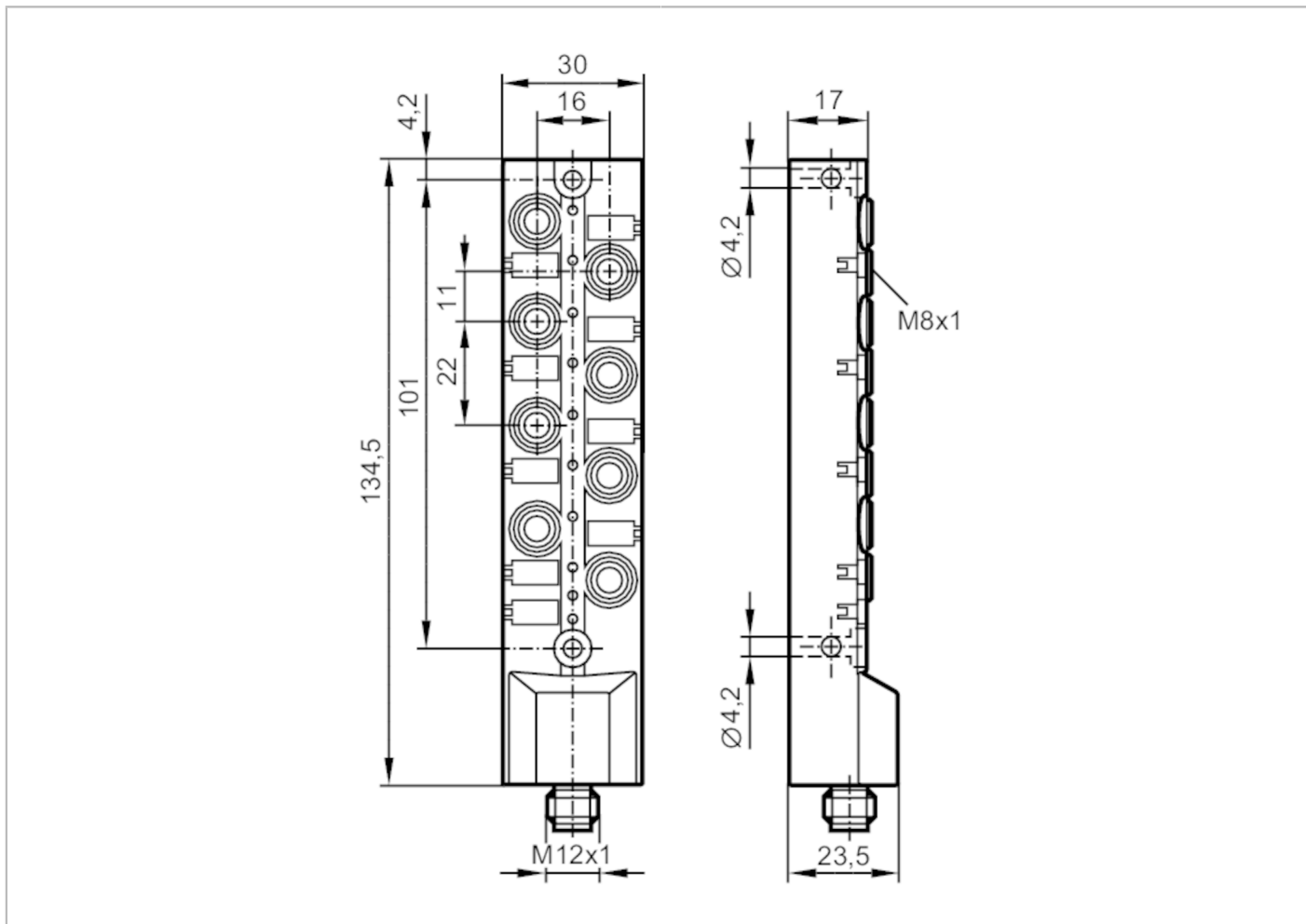


# AC2488



## AS-Interface CompactLine module

CompactM8 8DI



Application	
Design	Only for operation with AS-i masters with the profile M4
Application	field installation
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	230
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 8
Inputs	
Number of digital inputs	8
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]	180
Switching level high [V]	> 11

# AC2488



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Digital inputs protected against short circuits	yes
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### 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]	150	
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.A																																			
AS-i I/O configuration [hex]	7																																			
AS-i ID code [hex]	A.A																																			
AS-i certificate	100701																																			
Parameter bits	<table><thead><tr><th>Parameter bit</th><th>Description</th><th></th><th></th><th></th><th></th><th></th></tr></thead><tbody><tr><td>P0</td><td>not used</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>P1</td><td>peripheral fault indication</td><td>: 1</td><td>activated</td><td>/ 0</td><td>disabled</td><td></td></tr><tr><td>P2</td><td>not used</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>P3</td><td>not used</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Parameter bit	Description						P0	not used						P1	peripheral fault indication	: 1	activated	/ 0	disabled		P2	not used						P3	not used					
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### Mechanical data

Weight [g]	150.5
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...I8
	Power	LED, green AS-i
	errors	LED, red

### Electrical connection

Module connection	M12
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### Accessories

Items supplied	label tag
	Protective caps: 2

# AC2488



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CompactM8 8DI

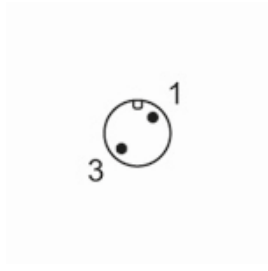
Accessories (optional)	Protective cap: M8, E73005
	Flat cable insulation displacement connector: 1 m, round cable, E70583
	Flat cable insulation displacement connector: M12, E70096
	DIN rail adapter: E73007

### Remarks

Remarks	Do not connect any of the following points to an external potential: I-, I+, I1, I2, I3, I4, I5, I6, I7, I8
Pack quantity	The connections are electrically connected with the AS-i cable. 1 pcs.

### Electrical connection - AS-i

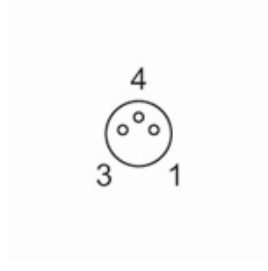
Connector: 1 x M12; coding: A



- 1 AS-i +
- 3 AS-i -

### Electrical connection - Inputs

Connector: 8 x M8; coding: A



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