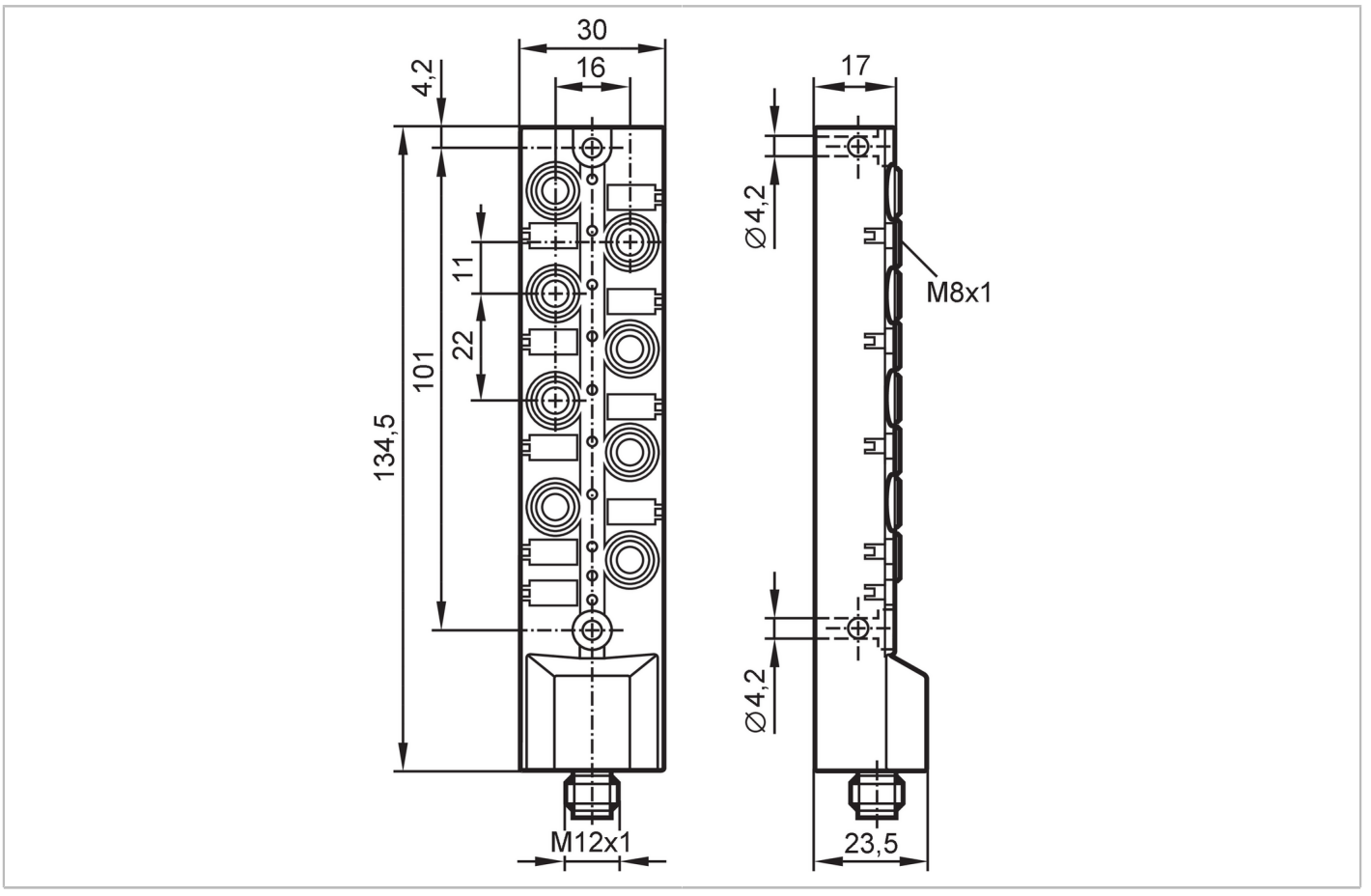
AC2488

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
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

Assignment of the parameter bits

parameter bit	Designation					
P0	not used					
P1	peripheral fault indication	: 1	activated	/ 0	deactivated	
P2	not used					
P3	not used					

Mechanical data		
Weight	[g]	150.5
Housing		rectangular
Type of mounting		backplane mounting
Dimensions	[mm]	134.5 x 30 x 23.5
Materials		housing: PBT

Displays / operating elements		
Display	switching status	LED, yellow I1...I8
	operation	LED, green AS-i
	errors	LED, red

Electrical connection	
Module connection	M12

Accessories	
Items supplied	Label tags
	Protective caps: 2
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

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

Electrical connection - AS-i

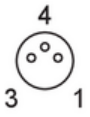
Connector: 1 x M12; coding: A; Contacts: 2



1	AS-i +
3	AS-i -

Electrical connection - Inputs

Connector: 8 x M8; coding: A; Contacts: 3



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