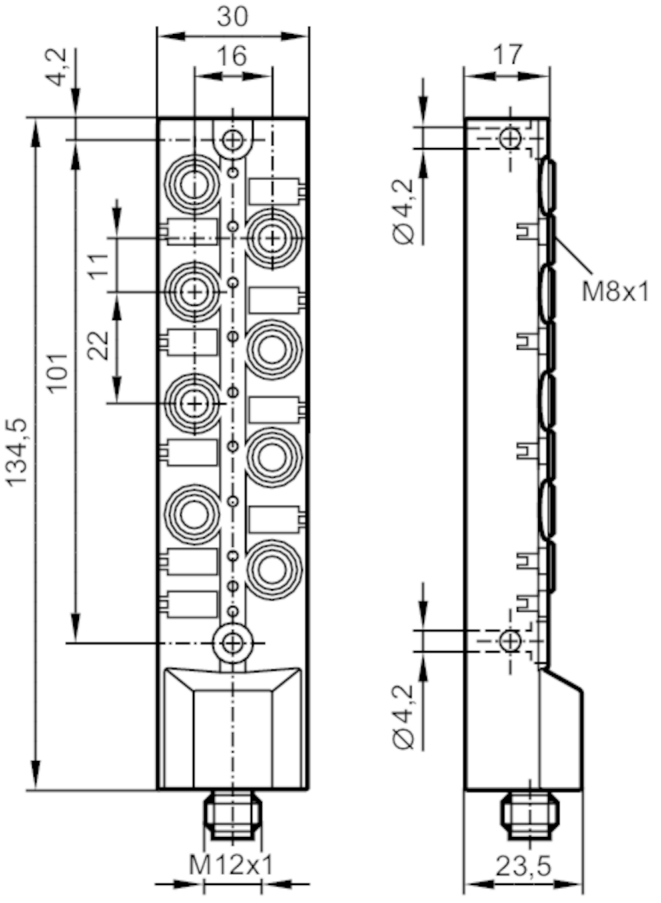
AC2488

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
Power supply	[V]	18...30; (DC)
Max. total current rating of inputs	[mA]	180
Switching level high	[V]	> 11

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Digital inputs protected against short circuits		yes					
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		power 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					
Type of mounting		backplane mounting					
Dimensions	[mm]	134.5 x 30 x 23.5					
Materials		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					

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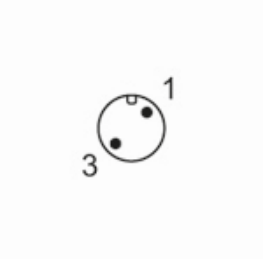
Accessories (optional)	Protective cap: M8, E73005
	Flat cable insulation displacement connector: 1 m, round cable, E70583
	Flat cable insulation displacement connector: M12, E70096
	DIN rail adapter:, E73007

Remarks

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

Electrical connection - AS-i

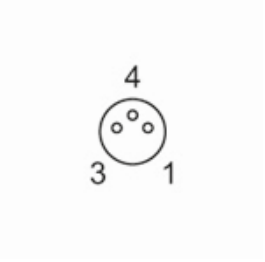
Connector: 1 x M12; coding: A



1	AS-i +
3	AS-i -

Electrical connection - Inputs

Connector: 8 x M8; coding: A



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