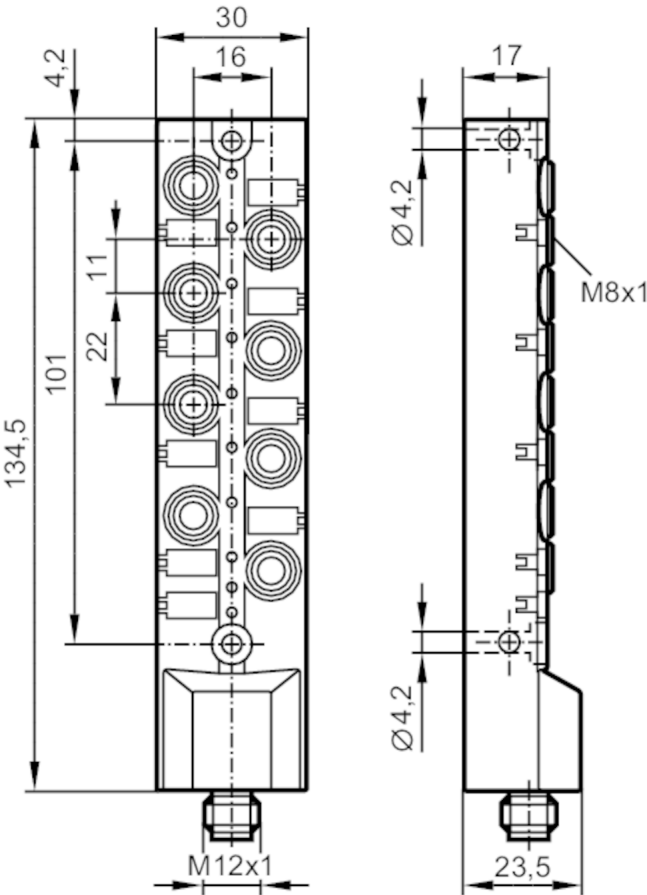




AS-Interface CompactLine module

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



AS-Interface CompactLine module

CompactM8 8DI

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	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
Housing		rectangular
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
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Accessories

Items supplied	Label tags
	Protective caps: 2



AS-Interface CompactLine module

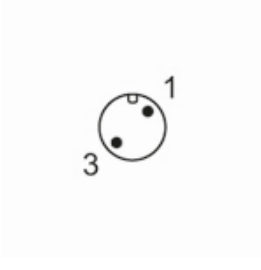
CompactM8 8DI

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 The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection - AS-i

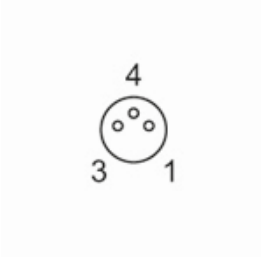
Connector: 1 x M12; coding: A



1	AS-i +
3	AS-i -

Electrical connection - Inputs

Connector: 8 x M8; coding: A



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