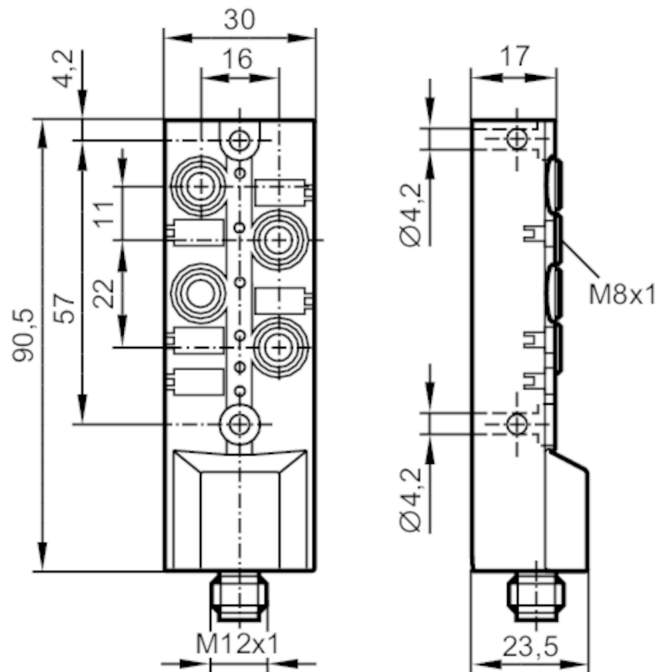




AS-Interface CompactLine module

CompactM8 2DI 2DO



Application	
Application	field installation
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	230
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 2; Number of digital outputs: 2
Inputs	
Number of digital inputs	2
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; (current load for all inputs and outputs: 180 mA)
Switching level high [V]	> 11
Digital inputs protected against short circuits	yes
Outputs	
Number of digital outputs	2
Voltage range DC [V]	18...30
Max. current load per output [mA]	180; (current load for all inputs and outputs: 180 mA)



AS-Interface CompactLine module

CompactM8 2DI 2DO

Short-circuit proof	yes
Electrically separated	no
Actuator supply outputs	AS-i

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]	261	
UL approval	power supply	Class 2

AS-i classification

AS-i version	2.11; 3.0						
Extended addressing mode	yes						
AS-i master profile	M2; M3; M4						
AS-i profile	S-B.A.E						
AS-i I/O configuration [hex]	B						
AS-i ID code [hex]	A.E						
AS-i certificate	100901						
Assignment of the data bits	data bit	D0	D1	D2	D3		
	input	-	-	3	4		
	socket	-	-	I-3	I-4		
	pin	-	-	4	4		
	Output	1	2	-	-		
	socket	O-1	O-2	-	-		
	pin	4	4	-	-		
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]	111
Housing	rectangular
Type of mounting	backplane mounting
Dimensions [mm]	90.5 x 30 x 23.5
Materials	PBT



AS-Interface CompactLine module

CompactM8 2DI 2DO

Displays / operating elements		
Display	switching status	LED, yellow I1...I2, O1...O2
	operation	LED, green AS-i
	errors	LED, red

Electrical connection	
Module connection	M12

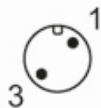
Accessories	
Items supplied	Label tags
	Protective caps: 2
Accessories (optional)	Protective cap: M8, E73005
	Flat cable insulation displacement connector: 1 m, round cable, E70582
	Flat cable insulation displacement connector: M12, E70096
	DIN rail adapter:, E73006

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

Electrical connection	
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Electrical connection - AS-i	
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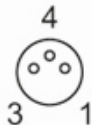
Connector: 1 x M12; coding: A



1	AS-i +
3	AS-i -

Electrical connection - Inputs	
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Connector: 2 x M8; coding: A



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

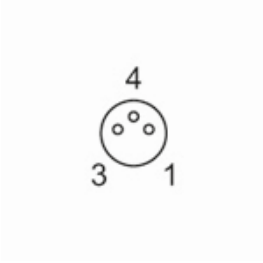


AS-Interface CompactLine module

CompactM8 2DI 2DO

Electrical connection - Outputs

Connector: 2 x M8; coding: A



1	Outputs
3	not used
4	internal voltage E-
	switching output +