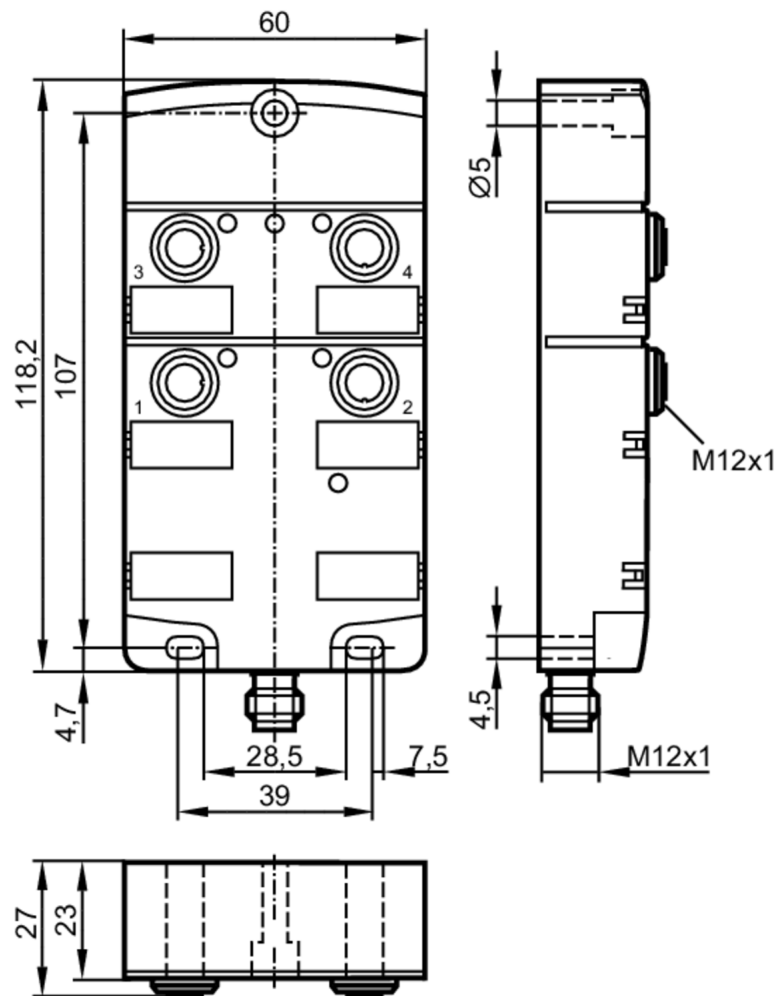




AS-Interface CompactLine module

CompactM12 4 DI-Y A/B M12



Application

Application field installation

Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	250

Inputs / outputs

Number of inputs and outputs Number of digital inputs: 4

Inputs

Number of digital inputs	4
Input circuit of digital inputs	PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs	AS-i
Power supply	[V] 20...30; (DC)
Max. total current rating of inputs	[mA] 200
Input current limitation	[mA] 15



AS-Interface CompactLine module

CompactM12 4 DI-Y A/B M12

Input current High	[mA]	6...10
Input current Low	[mA]	0...2
Switching level high	[V]	> 11
Digital inputs protected against short circuits		yes

Operating conditions

Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-25...80
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 67

Tests / approvals

EMC	EN 61000-6-2	
	EN 62026-2	
	EN 50581	
MTTF	[years]	383
UL approval	power supply	Class 2

AS-i classification

AS-i version	2.11; 3.0				
AS-i addressing	IR addressing possible				
Extended addressing mode	yes				
AS-i master profile	M2; M3; M4				
AS-i profile	S-0.A.E				
AS-i I/O configuration	[hex]	0			
AS-i ID code	[hex]	A.E			
AS-i certificate	126401				
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	3	4
	socket	I-1/2	I-1/2 I-2	I-3/4	I-3/4 I-4
	pin	4	2 4	4	2 4

Mechanical data

Weight	[g]	303
Materials	PA; socket: brass nickel-plated; O-ring: FKM	

Displays / operating elements

Display	switching status	LED, yellow I1...I4
	operation	LED, green AS-i
	errors	LED, red

Electrical connection

Module connection	M12
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Accessories

Accessories (optional)	Stainless steel sleeve, for installation in case of high mechanical stress , E70402
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Remarks

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



AS-Interface CompactLine module

CompactM12 4 DI-Y A/B M12

Pack quantity	1 pcs.
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Electrical connection - AS-i

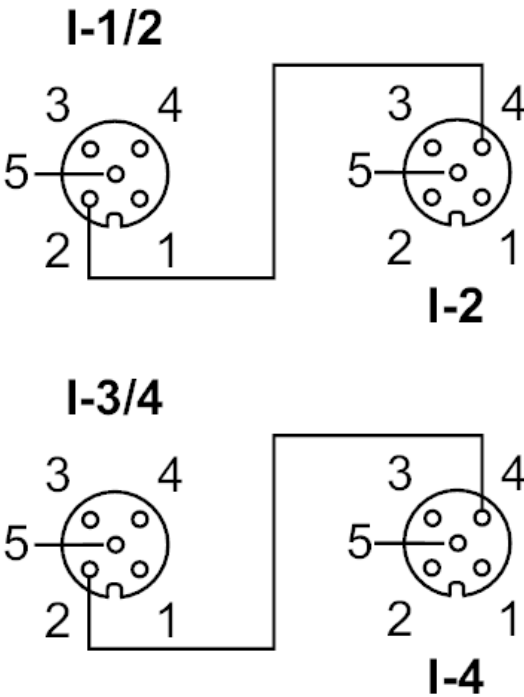
Connector: M12; coding: A



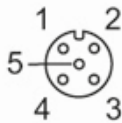
1	AS-i +
3	AS-i -

Electrical connection - Process connection

Connection



Connector: M12; coding: A



	Inputs
1	Sensor supply +
2	data input
3	Sensor supply -
4	data input
5	functional earth (FE)