



AS-Interface CompactLine module

CompactM12 4DI-Y no IR



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



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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 61000-6-3	
	EN 62026-2	
	EN 50581	
MTTF	[years]	388
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-0.A.E				
AS-i I/O configuration	[hex]	0			
AS-i ID code	[hex]	A.E			
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]	286.5
Housing	rectangular	
Type of mounting	AS-i flat cables directly connectable; backplane mounting	
Dimensions	[mm]	118.2 x 60 x 27
Materials	PA; socket: brass nickel-plated; threaded inserts in the lower part: brass nickel-plated; O-ring: FKM; piercing contacts: CuSn6 nickel-plated and tin-plated	

Displays / operating elements

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

Electrical connection

Module connection	Flat cables
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Accessories

Accessories (optional)	Stainless steel sleeve, for installation in case of high mechanical stress , E70402
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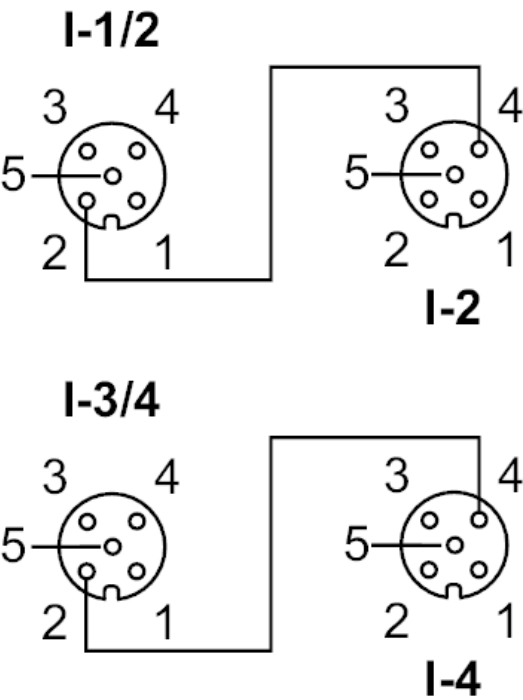
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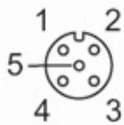
Remarks	
Remarks	Do not connect any of the following points to an external potential: I-, I+, I1, I2, I3, I4
Pack quantity	The connections are electrically connected with the AS-i cable. 1 pcs.

Electrical connection - Inputs

Connection



Connector: 4 x M12; coding: A



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