



AS-Interface CompactLine module

CompactLine M12 4DI



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; (when flat cables are used E7400x / E7401x)

Tests / approvals

EMC	EN 61000-6-2	
	EN 62026-2	
	EN 50581	
MTTF	[years]	382
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	no				
AS-i master profile	M2; M3; M4				
AS-i profile	S-0.0.E				
AS-i I/O configuration	[hex]	0			
AS-i ID code	[hex]	0.E			
AS-i certificate	40501				
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	3	4
	socket	I-1	I-2	I-3	I-4
	pin	2+4	2+4	2+4	2+4

Mechanical data

Weight	[g]	299
Type of mounting	AS-i flat cables directly connectable	
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

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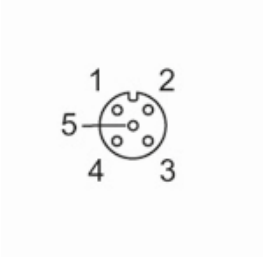
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Remarks	
Remarks	Do not connect any of the following points to an external potential: I-, I+, I1, I2, I3, I4 The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection

Connector: M12; coding: A



1	Inputs
2+4	Sensor supply L+ data input 1 internally bridged
3	Sensor supply L-
5	functional earth