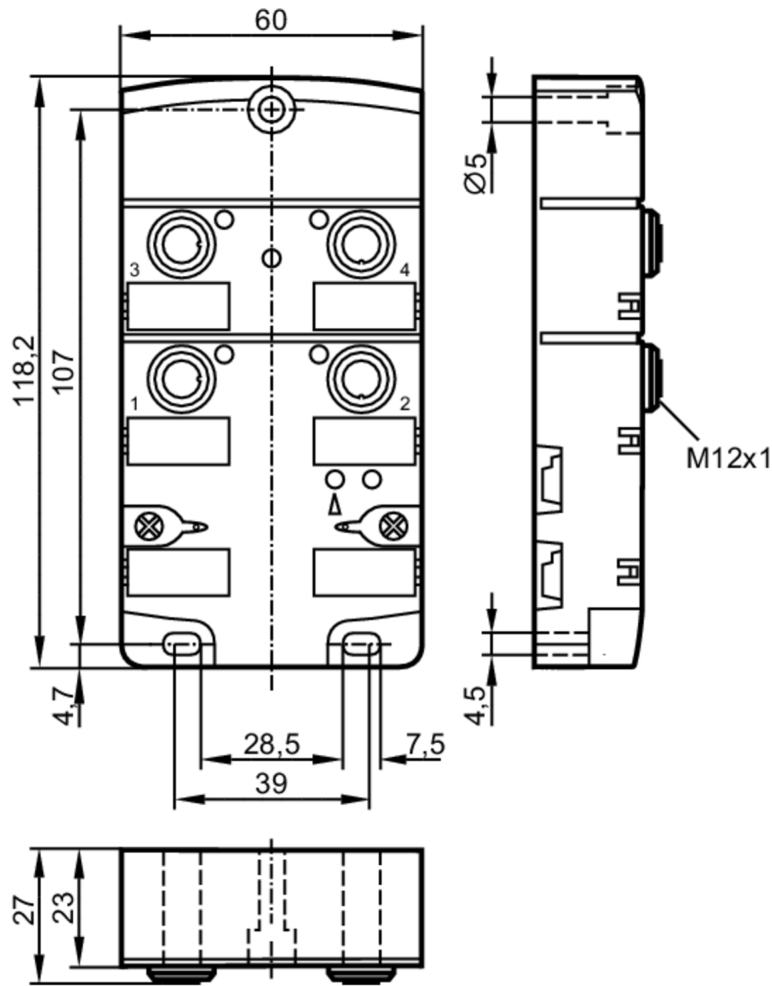


AC2451



AS-Interface CompactLine module

CompactModule 4DI M12 V4A



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

Voltage 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	voltage 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				
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]	292
Housing	rectangular	
Type of mounting	AS-i flat cable connection; Backplane mounting	
Dimensions	[mm]	118.2 x 60 x 27
Material	PA; Socket: stainless steel (1.4404 / 316L); threaded inserts in the lower part: stainless steel (1.4404 / 316L); screws: stainless steel (1.4578 / 316Cu); Piercing contacts: CuSn6 nickel-plated and tin-plated; O-ring: EPDM	

Displays / operating elements

Display	Switching status	LED, yellow I1...I4
	Power	LED, green AS-i
	errors	LED, red

Electrical connection

Module connection	Flat cable
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Accessories	
Accessories (optional)	stainless steel sleeve, for installation in case of high mechanical stress , E70402
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+
3	Data input 1 internally bridged
5	Sensor supply L-
	functional earth