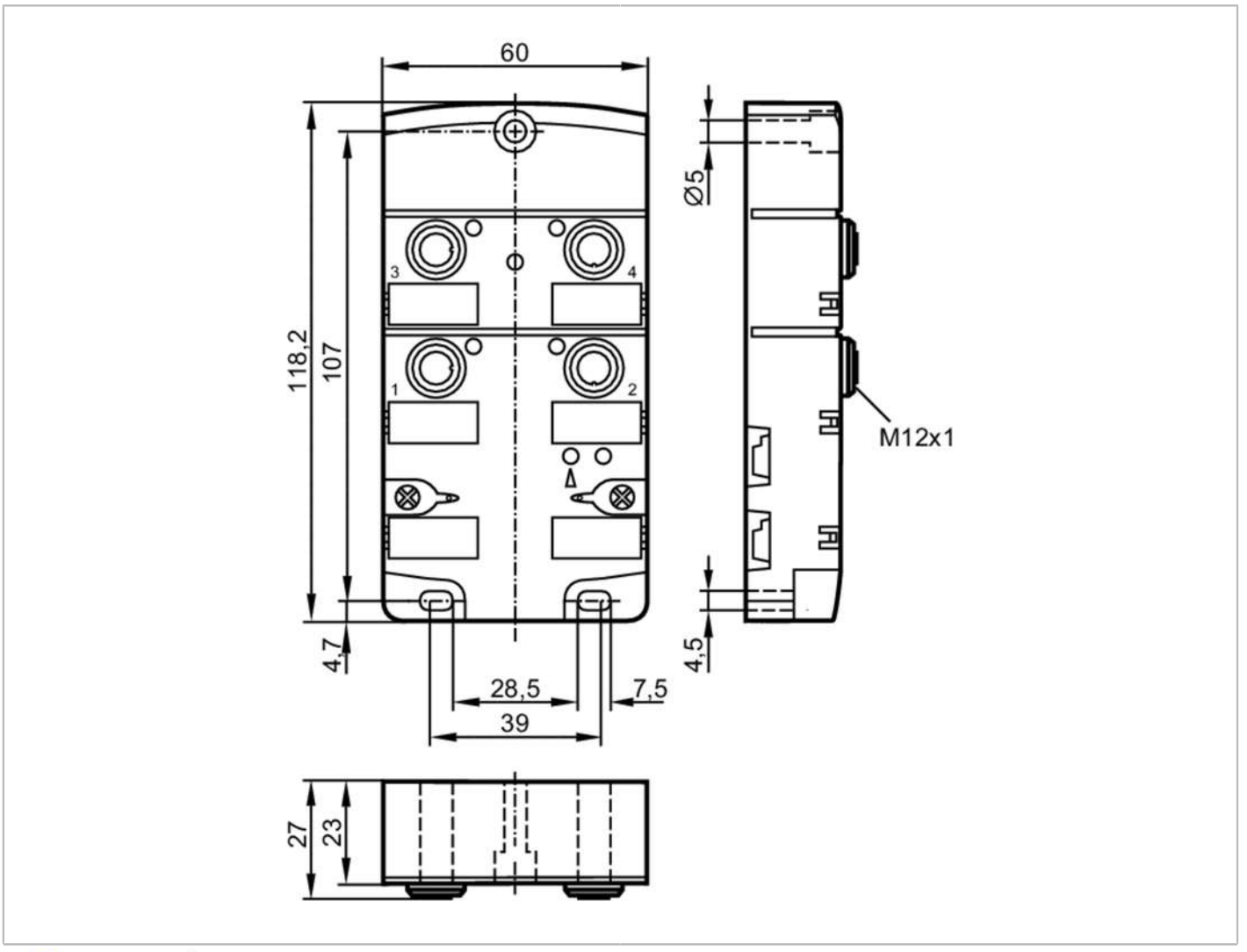
AC2457

AS-Interface CompactLine module

CompactLM12 4DI-Y M12 IP67



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]	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 profile		S-0.A.E				
AS-i I/O configuration	[hex]	0				
AS-i ID code	[hex]	A.E				
AS-i certificate		40301				
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]	289.5				
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				
Accessories						
Accessories (optional)		Stainless steel sleeve, for installation in case of high mechanical stress , E70402				

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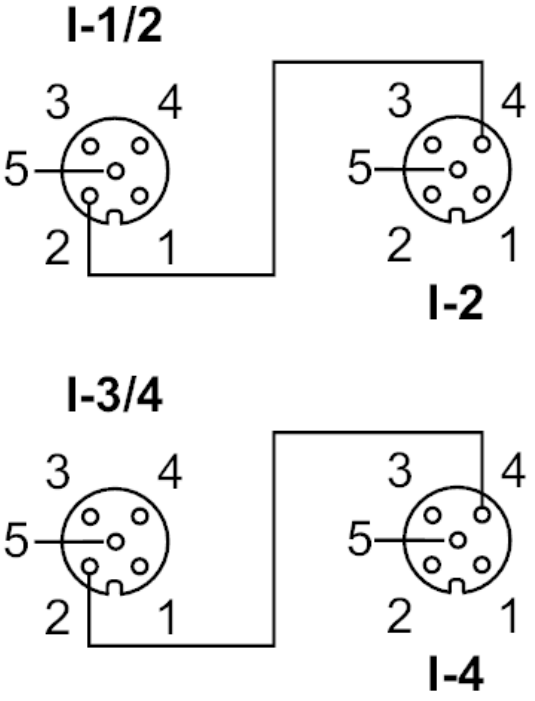
Remarks

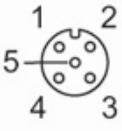
Remarks	Do not connect any of the following points to an external potential:
	I-, I+, I1, I2, I3, I4
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection

Connection



Connector: 4 x M12; coding: A



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