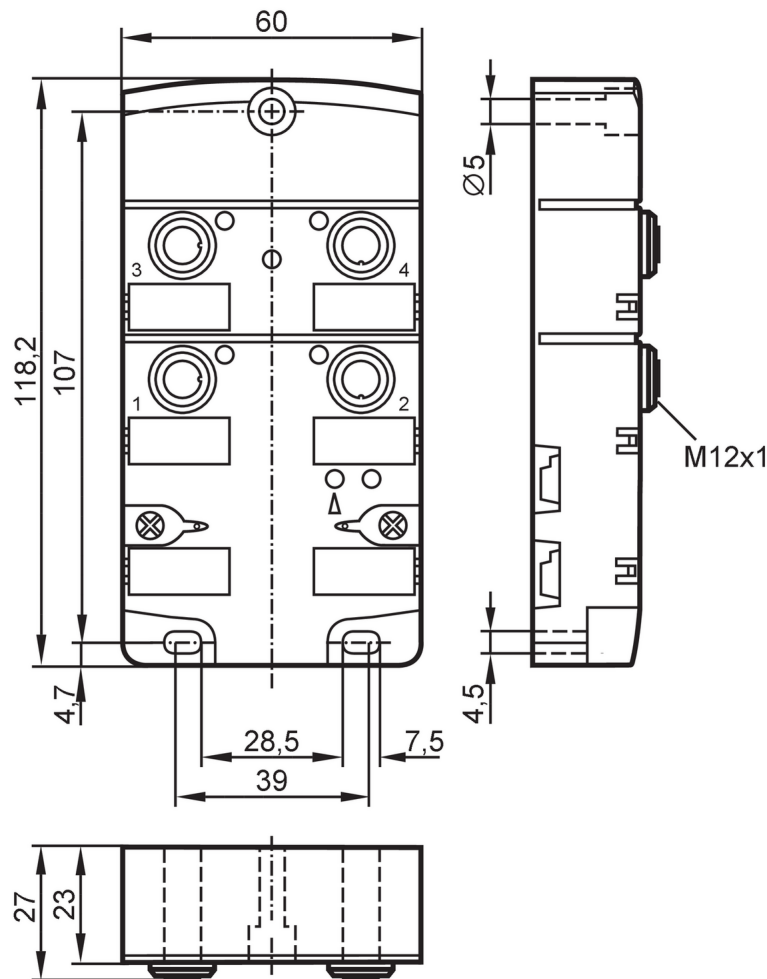


AC2457



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

Voltage supply

[V]

20...30; (DC)

Max. total current rating of
inputs

[mA]

200

Input current limitation

[mA]

15

Input current High

[mA]

6...10



AS-Interface CompactLine module

CompactLM12 4DI-Y M12 IP67

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		voltage 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		40301				
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				
Housing		rectangular				
Type of mounting		AS-i flat cable connection; Backplane mounting				
Dimensions	[mm]	118.2 x 60 x 27				
Material		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		
		Power		LED, green AS-i		
		errors		LED, red		
Electrical connection						
Module connection		Flat cable				
Accessories						
Accessories (optional)		stainless steel sleeve, for installation in case of high mechanical stress , E70402				



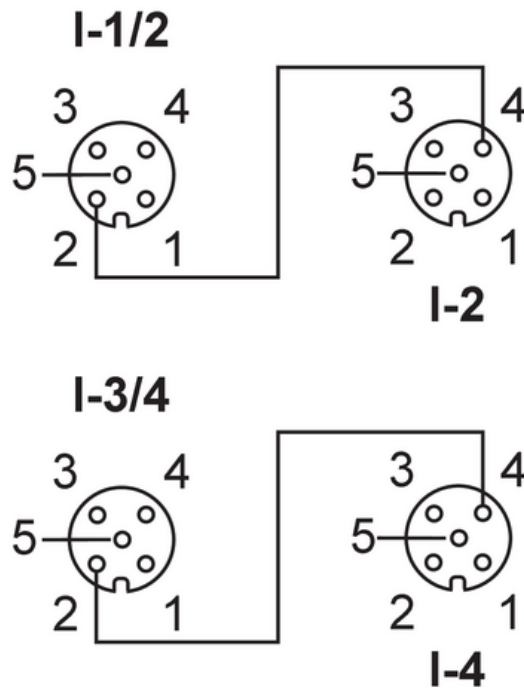
AS-Interface CompactLine module

CompactLM12 4DI-Y M12 IP67

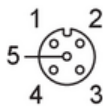
Remarks	
Remarks	Do not connect any of the following points to an external potential: I-, I+, I1, I2, I3, I4
Pack quantity	The connections are electrically connected with the AS-i cable. 1 pcs.

Electrical connection

Connection



Connector: 4 x M12; coding: A; Contacts: 5



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