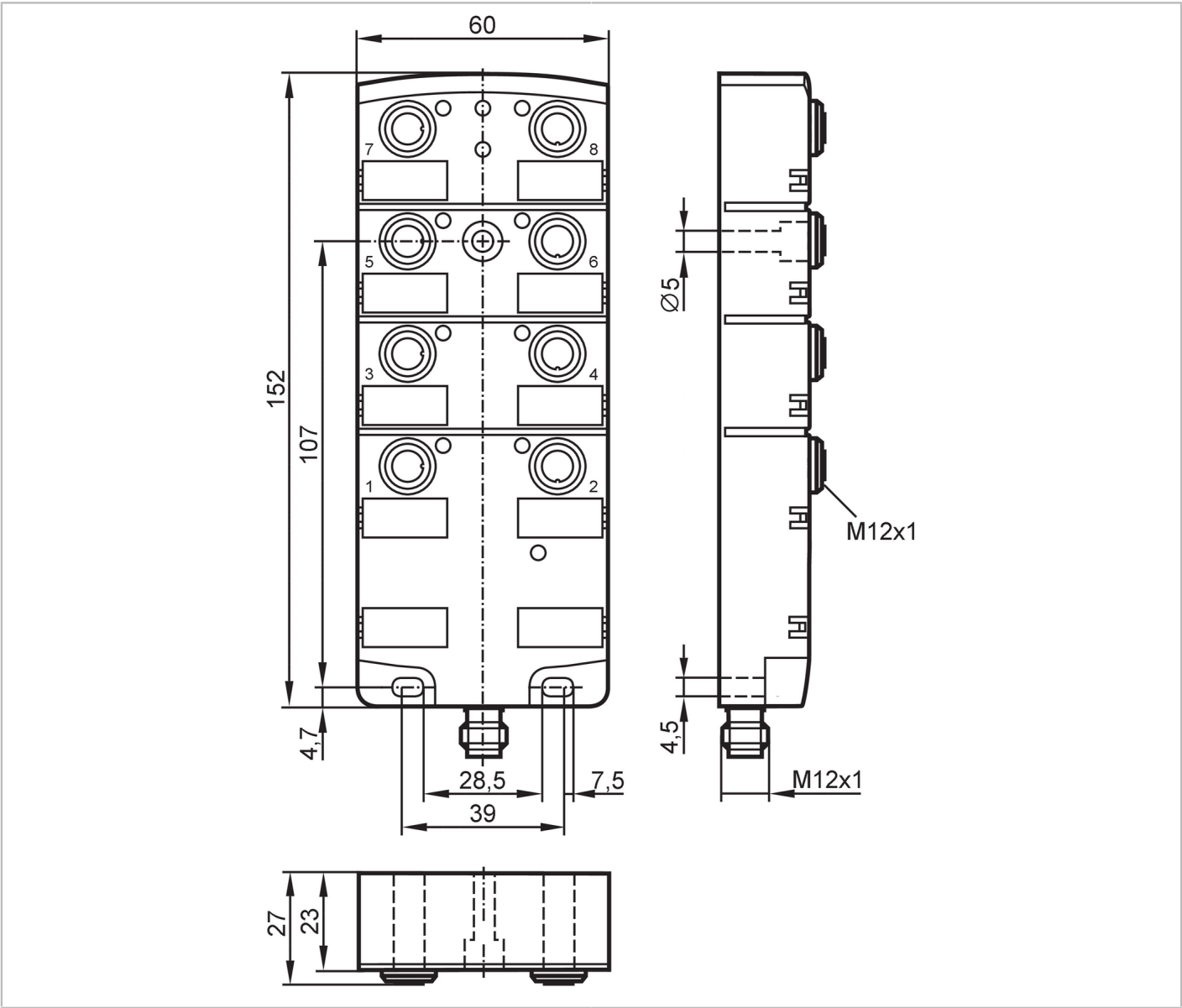




AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12



Application

Application

field installation

Electrical data

Operating voltage	[V]
Max. current consumption from AS-i	[mA]
Max. current load total	[A]
Additional voltage supply	[V]
Max. current consumption from additional supply	[mA]
Integrated watchdog	

26.5...31.6 DC
250
4
10...30 DC; (AUX)
4000; (AUX)
yes

Inputs / outputs

Number of inputs and outputs

Number of digital inputs: 4; Number of digital outputs: 4



AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

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	
Input current low [mA]	0...2	
Switching level high [V]	> 11	
Digital inputs protected against short circuits	yes	
Outputs		
Number of digital outputs	4	
Circuit	PNP	
Voltage range DC [V]	10...30; (AUX)	
Max. current load per output [mA]	2000; (utilization category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))	
Max. current load outputs total [A]	4	
Short-circuit proof	yes	
Electrically separated	yes	
Actuator supply outputs	AUX	
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]	190	
UL approval	voltage supply	Class 2
AS-i classification		
AS-i version	3.0	
AS-i addressing	IR addressing possible	
Extended addressing mode	yes	
AS-i master profile	M4	
AS-i profile	S-7.A.7	
AS-i I/O configuration [hex]	7	
AS-i ID code [hex]	A.7	
AS-i certificate	126101	



AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

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
	Output	1	2	3	4
	Socket	O-1	O-2	O-3	O-4
	Pin	4	4	4	4

Mechanical data

Weight	[g]	388.5
Housing		rectangular
Type of mounting		Backplane mounting
Dimensions	[mm]	152 x 60 x 27
Material		PA; Socket: brass nickel-plated; O-ring: FKM

Displays / operating elements

Display	Switching status	LED, yellow I1...I4, O1...O4
	Power	LED, green AS-i, AUX
	errors	LED, red

Electrical connection

Module connection	M12
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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 - AS-i

Connector: M12; coding: A; Contacts: 4



1	AS-i +
2	AUX -
3	AS-i -
4	AUX +

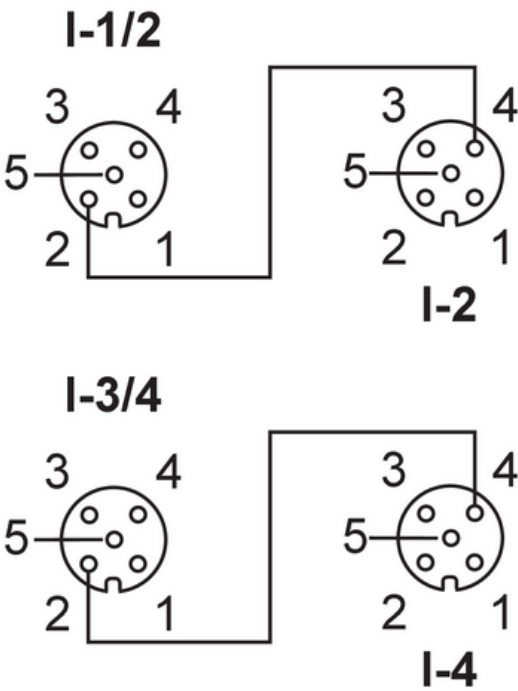


AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

Electrical connection - Inputs

Connection

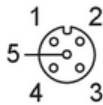


Connector: M12

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

Electrical connection - Outputs

Connector: M12; coding: A; Contacts: 5



Outputs	
1	not used
2	not used
3	External voltage AUX -
4	Switching output
5	functional earth (FE)