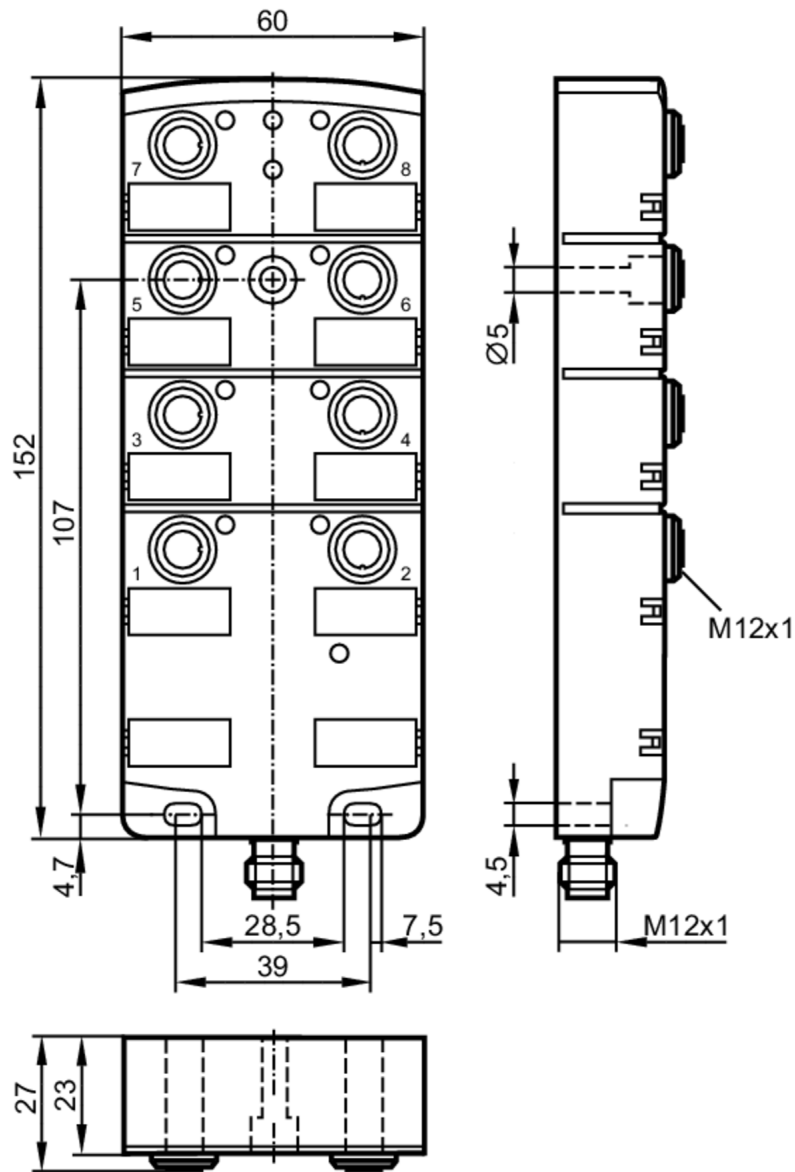




AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12



Application

Application	field installation
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Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	250
Max. current load total	[A]	4
Additional voltage supply	[V]	10...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	4000; (AUX)
Integrated watchdog		yes



AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of digital outputs: 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
Подача напруги	[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; (utilisation 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	[ANN]	190
UL approval	подача напруги	Class 2
AS-i classification		
AS-i version		3.0
AS-i addressing		IR addressing possible
Розширений режим адресації		yes
AS-i master profile		M4
AS-i profile		S-7.A.7
AS-i I/O configuration	[hex]	7



AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

AS-i ID code	[hex]	A.7			
AS-i certificate		126101			
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
	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
Materials	PA; socket: brass nickel-plated; O-ring: FKM	

Displays / operating elements

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

Electrical connection

Module connection	M12
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Аксессуары

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 - Inputs

Connection

Connector: M12

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

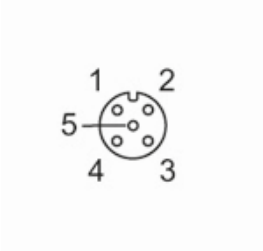


AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

Electrical connection - Outputs

Connector: M12; coding: A



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