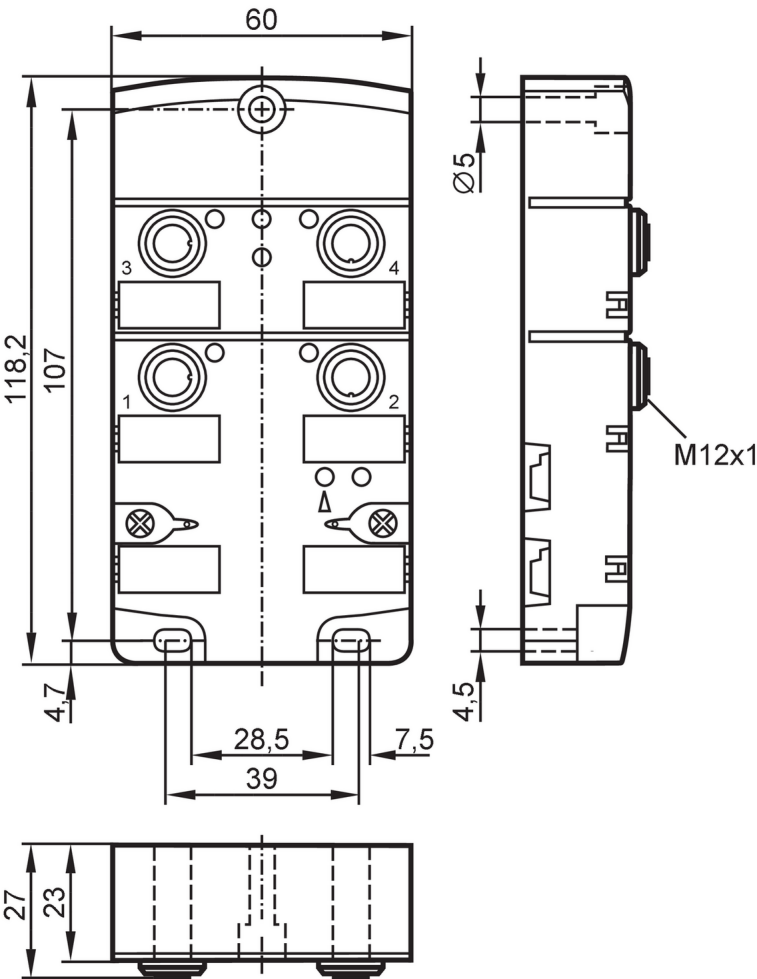




AS-Interface CompactLine module

CompactLM12 2DI-Y 2DO T



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

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 2; Number of digital outputs: 2
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Inputs

Number of digital inputs	2
Input circuit of digital inputs	PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs	AS-i



AS-Interface CompactLine module

CompactLM12 2DI-Y 2DO T

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		2
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]	252	
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-3.F.E
AS-i I/O configuration	[hex]	3
AS-i ID code	[hex]	F.E
AS-i certificate		39501



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Data bits	Data bit	D0	D1	D2	D3
	Input	1	2	-	-
	Socket	I-1/2	I-1/2 / I-2	-	-
	Pin	4	2 / 4	-	-
	Output	-	-	3	4
	Socket	-	-	O-3	O-4
	Pin	-	-	4	4

Mechanical data	
Weight	[g] 291.5
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...I2, O1...O2
	Power	LED, green AS-i, AUX
	errors	LED, red

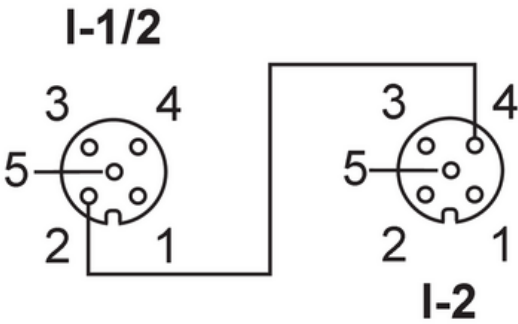
Electrical connection	
Module connection	Flat cable

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
	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)

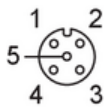


AS-Interface CompactLine module

CompactLM12 2DI-Y 2DO T

Electrical connection - Outputs

Connector: M12; coding: A; Contacts: 5



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