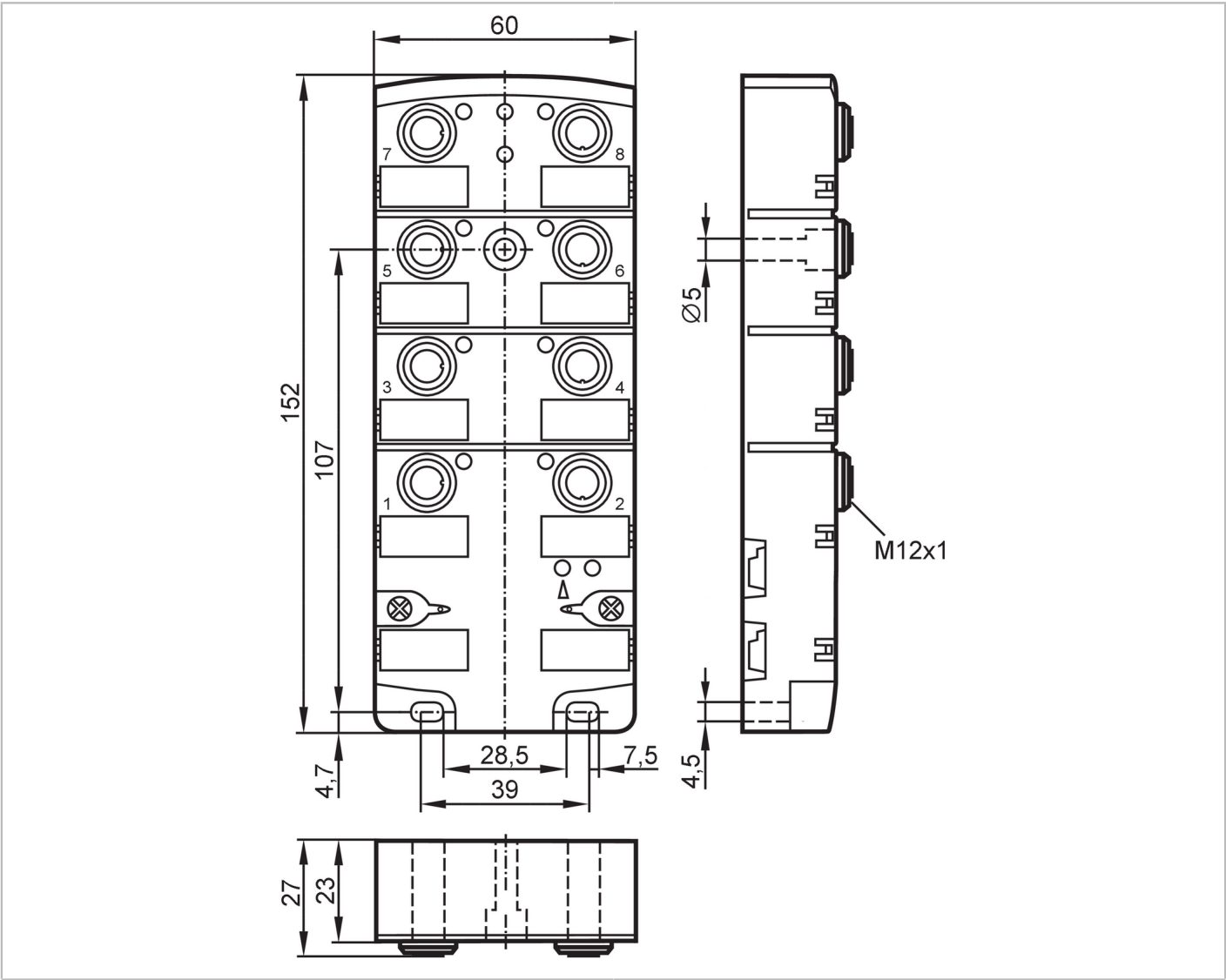




AS-Interface CompactLine module

CompactLM12 4DI-Y 4DO T



Application		
Application		field installation
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: 4; Number of digital outputs: 4
Inputs		
Number of digital inputs		4



AS-Interface CompactLine module

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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]	193	
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-7.F.E	
AS-i I/O configuration	[hex]	7	
AS-i ID code	[hex]	F.E	
AS-i certificate		40401	



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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] 374
Housing	rectangular
Type of mounting	AS-i flat cable connection; Backplane mounting
Dimensions	[mm] 152 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, O1...O4
	Power	LED, green AS-i, AUX
	errors	LED, red

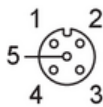
Electrical connection	
Module connection	Flat cable

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, I3, I4
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection - Outputs

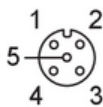
Connector: 4 x M12; coding: A; Contacts: 3



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

Electrical connection - Inputs

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

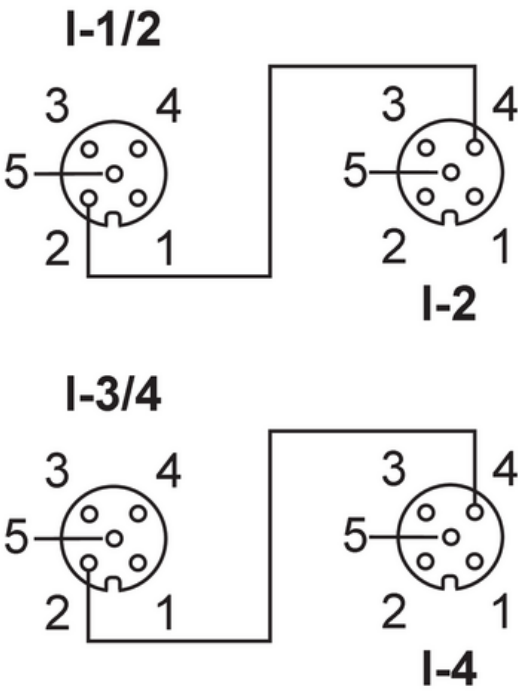




AS-Interface CompactLine module

CompactLM12 4DI-Y 4DO T

Connection



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