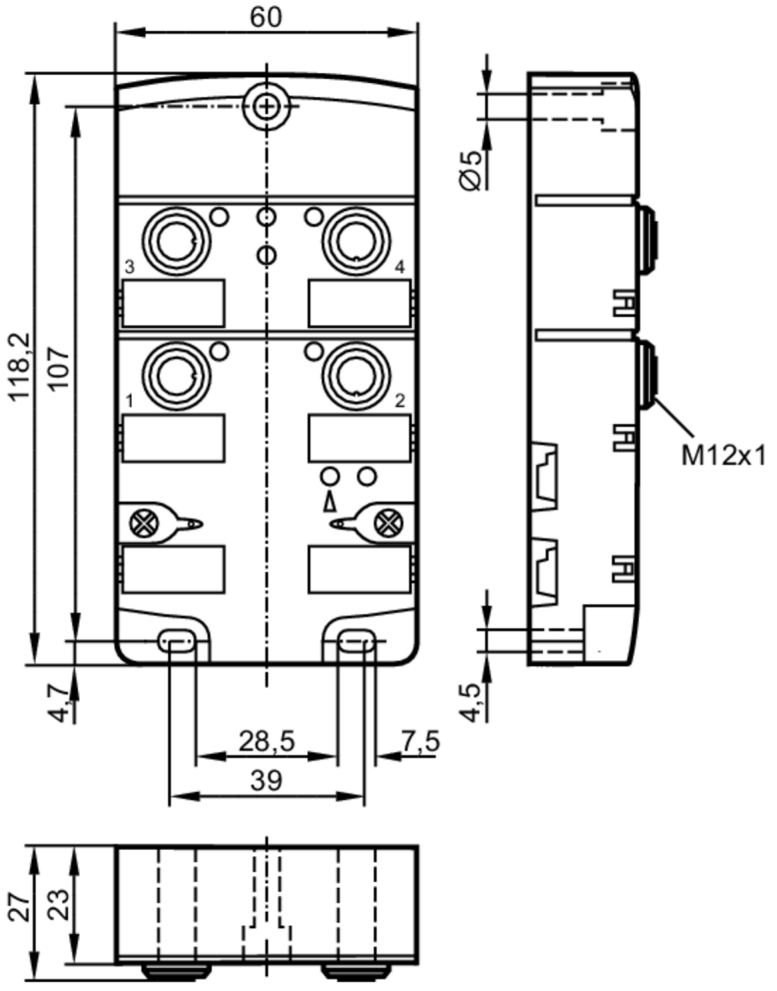
AC2458

AS-Interface CompactLine module

CompactLM12 2DI-Y 2DO T



Electrical data		
Operating voltage	[V]	26.5...31.6 DC; ("supply class 2" to cULus)
Max. current consumption from AS-i	[mA]	250
Max. current load total	[A]	4
Additional voltage supply	[V]	10...30 DC; (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				
Sensor supply of the inputs		AS-i				
Voltage supply	[V]	20...30				
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				
Min. switching level high signal	[V]	11				
Digital inputs protected against short circuits		yes				
Outputs						
Number of digital outputs		2				
Circuit		PNP				
Voltage range DC	[V]	10...30; (to PELV)				
Max. current load per output	[mA]	2000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))				
Short-circuit proof		yes				
Electrically separated		yes				
Operating conditions						
Ambient temperature	[°C]	-25...80				
Protection		IP 67; ("enclosure type 1" according to cULus; when flat cables are used E7400x / E7401x)				
Tests / approvals						
EMC		EN 50295				
AS-i classification						
AS-i version		2.11 + 3.0				
AS-i addressing		IR addressing possible				
Extended addressing mode possible		no				
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				
Assignment of the 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

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Mechanical data		
Weight	[g]	291.5
Type of mounting		AS-i flat cables directly connectable
Materials		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

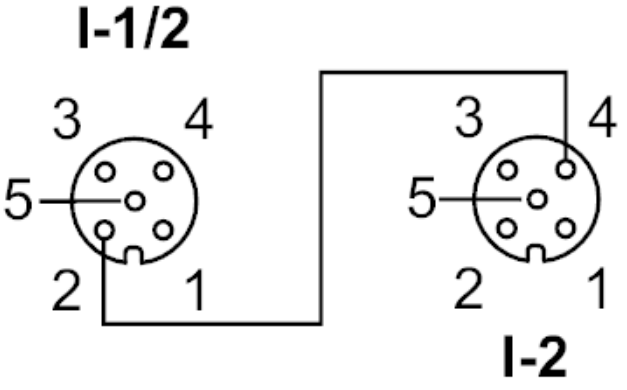
Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow

Accessories	
Accessories (optional)	Stainless steel sleeve, for installation in case of high mechanical stress , E70402

Remarks	
Remarks	Inputs and outputs must be electrically isolated.
Pack quantity	1 pcs.

Electrical connection - Inputs

Connection



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

Connector: M12

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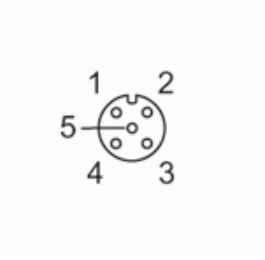
Electrical connection - Outputs

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

Connector: M12