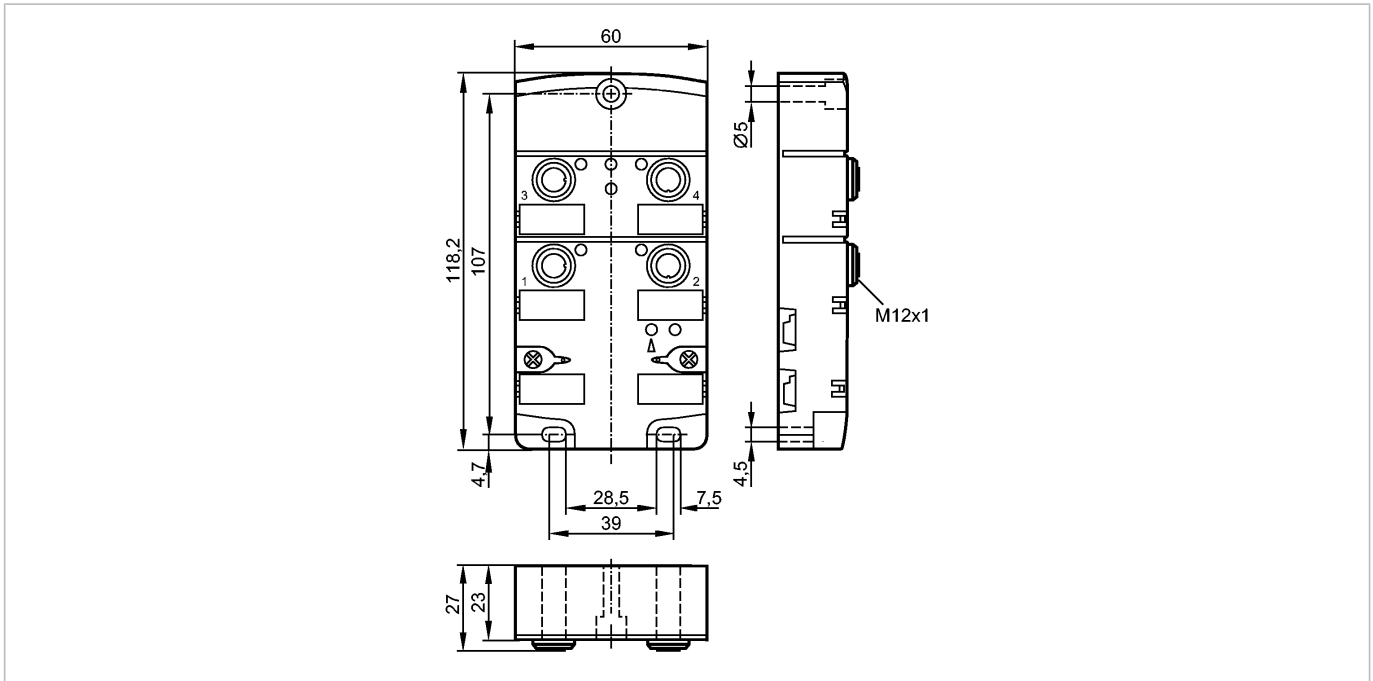


**AC2458**

CompactLM12 2DI-Y 2DO T

AS-Interface bus system



**Product characteristics**

Active CompactLine module

AS-i flat cable connection

Sockets M12 x 1

IR addressing possible

Digital inputs and outputs

**Electrical data**

Electrical design	2 inputs / 2 outputs
Operating voltage [V]	26.5...31.6 DC (AS-i) / 10...30 DC (AUX); cULus - Class 2 source required
Total current consumption from AS-i [mA]	< 250
Max. current load per module [mA]	4000

**Inputs**

digital	
Circuit	PNP
Sensor supply	AS-i
Voltage range [V]	20...30 DC
Max. current load for all inputs total [mA]	200
Input current limitation [mA]	15
Input current High/Low [mA]	6...10 / 0...2
Switching level High signal 1 [V]	> 11
Short-circuit proof	yes

**Outputs**

digital	
Output function	transistor PNP
Voltage range [V]	10...30 DC
External voltage supply	to PELV *)

## AC2458

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Max. current load per output [mA]	2000 **)
Electrically separated	yes
Integrated watchdog	yes
Short-circuit proof	yes

### Environment

Ambient temperature [°C]	-25...80
Protection	IP 67; (enclosure type 1); when flat cables E7400x and E7401x are used

### Tests / approvals

EMC	EN 50295
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### AS-i classification

AS-i version	2.11 + 3.0
Extended addressing mode possible	no
AS-i profile	S-3.F.E
I/O configuration [hex]	3
ID code [Hex]	F.E
AS-i certificate	39501

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

### Mechanical data

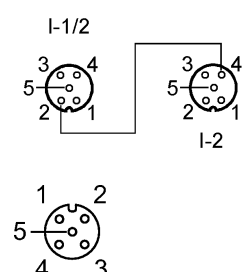
Housing materials	PA; socket: brass nickel-plated; threaded inserts in the lower part: brass nickel-plated; O-Ring (socket): Viton; Piercing contacts: CuSn6 surface nickel and tin-plated
Weight [kg]	0.29

### Displays / operating elements

Power LED	green
Error LED	red
Function display LED	yellow

### Electrical connection

#### Wiring



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

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

### Accessories

Accessories (optional)	stainless steel sleeve for installation in case of high mechanical stress (E70402)
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### Remarks

Remarks	Inputs and outputs must be electrically isolated. *) via black flat cable
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\*\*) Utilisation category (DC13): The switch-on and switch-off capacity for the triggering of solenoids is rated up to 20 W (to IEC 60947-5-1)

Pack quantity	[piece]	1
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