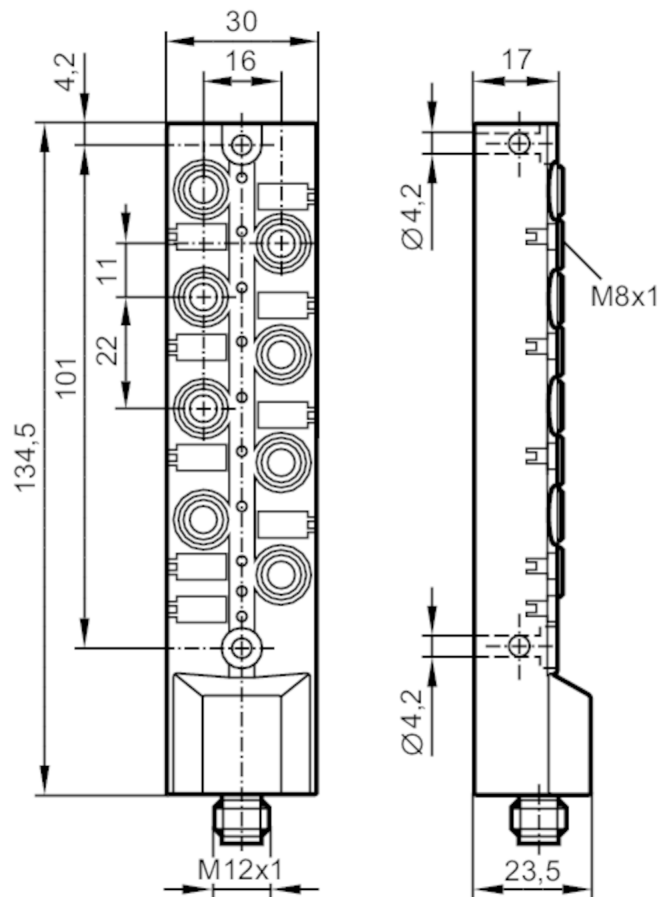




AS-Interface CompactLine module

CompactM8 4 DI 4 DO



Application

Design

only for operation with AS-i masters with the profile M4, for the connection of mechanical contacts a suitable sensor is to be connected to any input

Application

field installation

Electrical data

Operating voltage [V]

26.5...31.6 DC

Max. current consumption from AS-i [mA]

230

Additional voltage supply [V]

15...30 DC; (AUX)

Max. current consumption from additional supply [mA]

1000; (AUX; < 40 °C: 2 A)

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

Input circuit of digital inputs

PNP; (type 2 according to IEC 61131-2)

Sensor supply of the inputs

AS-i



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Power supply	[V]	18...30; (DC)
Max. total current rating of inputs	[mA]	180
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]	15...30; (AUX)
Max. current load per output	[mA]	500; (< 40 °C: 1000 mA)
Short-circuit proof		yes
Electrically separated		yes
Actuator supply outputs		AUX

Operating conditions

Ambient temperature	[°C]	-25...60
Storage temperature	[°C]	-25...60
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 65; IP 67; IP 68

Tests / approvals

EMC		EN 62026-2	
		EN 50581	
MTTF	[years]	278	
UL approval		power supply	Class 2

AS-i classification

AS-i version	3.0				
Extended addressing mode	yes				
AS-i master profile	M4				
AS-i profile	S-7.A.7				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.7			
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	3	4
	socket	I-1	I-2	I-3	I-4
	pin	4	4	4	4
	Output	1	2	3	4
	socket	O-1	O-2	O-3	O-4
	pin	4	4	4	4



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Assignment of the parameter bits	parameter bit	Designation					
	P0	not used					
	P1	peripheral fault indication	: 1	activated	/ 0	deactivated	
	P2	not used					
	P3	not used					

Mechanical data	
Weight [g]	150
Housing	rectangular
Type of mounting	backplane mounting
Dimensions [mm]	134.5 x 30 x 23.5
Materials	PBT

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

Accessories	
Items supplied	Label tags
	Protective caps: 2
Accessories (optional)	Protective cap: M8, E73005
	Flat cable insulation displacement connector: 1 m, round cable, E70582
	DIN rail adapter:, E73007

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 - AS-i

Connector: 1 x M12; coding: A



- | | |
|---|--------|
| 1 | AS-i + |
| 2 | AUX - |
| 3 | AS-i - |
| 4 | AUX + |

AC2490



AS-Interface CompactLine module

CompactM8 4 DI 4 DO

Electrical connection - Inputs

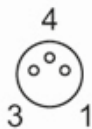
Connector: 4 x M8; coding: A



Inputs	
1	Sensor supply L+
3	Sensor supply L-
4	data input

Electrical connection - Outputs

Connector: 4 x M8; coding: A



Outputs	
1	not used
3	external voltage AUX -
4	switching output