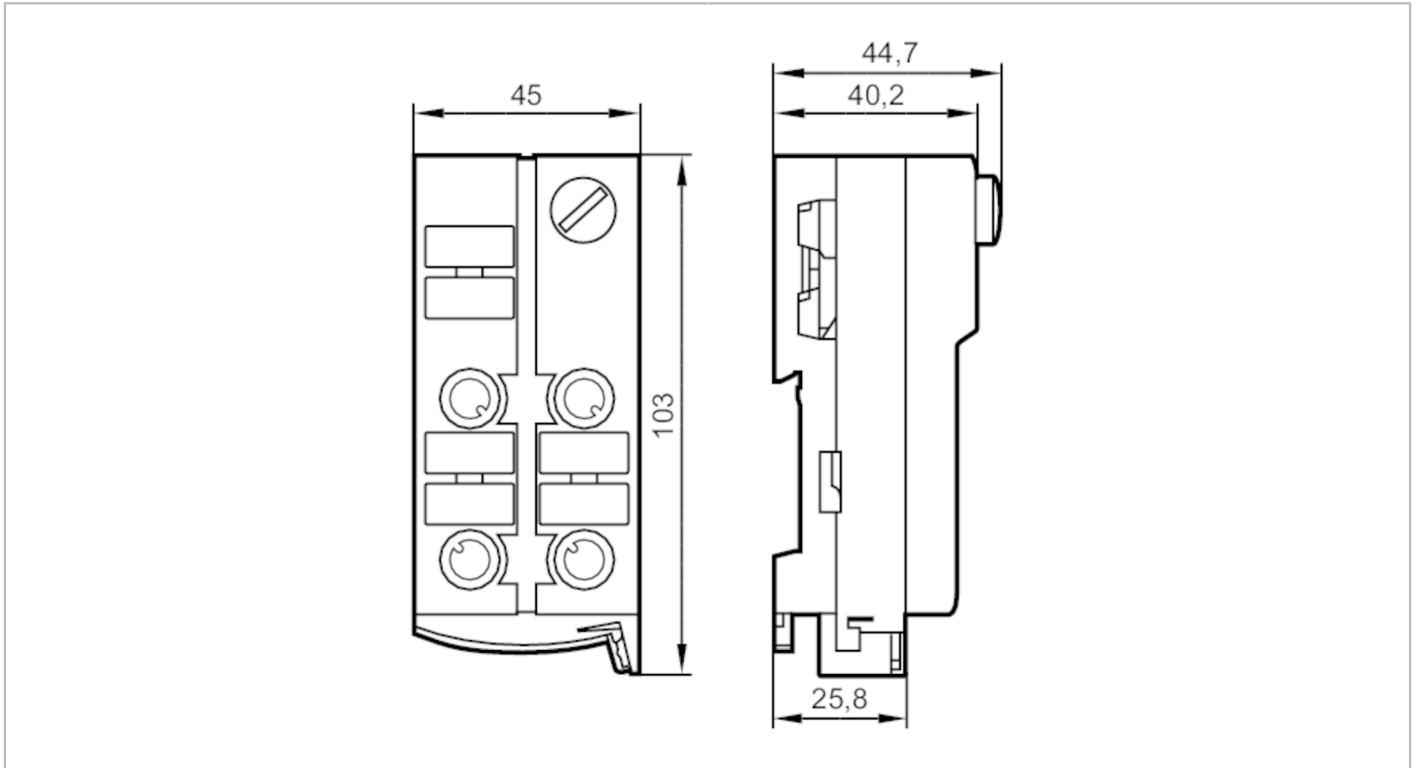


AC5230



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 1AI C 1AO C 2DI



Product characteristics	
Number of inputs and outputs	Number of digital inputs: 2; Number of analogue inputs: 1; Number of analogue outputs: 1
Application	
Design	only for operation with AS-i masters with the profile M4
Application	field installation
Electrical data	
Operating voltage [V]	26.5...31.6 DC; ("supply class 2" to cULus)
Max. current consumption from AS-i [mA]	250
Reverse polarity protection	yes
Max. current load total [A]	0.2
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 2; Number of analogue inputs: 1; Number of analogue outputs: 1



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 1AI C 1AO C 2DI

Inputs	
Number of digital inputs	2
Input circuit of digital inputs	PNP
Sensor supply of the inputs	AS-i
Voltage supply [V]	18...30
Number of analogue inputs	1
Analogue input (current) [mA]	4...20
Max. voltage drop across load for nominal voltage [V]	10
Analogue inputs protected against short circuits	yes
Resolution of analogue input	12 bit

Outputs	
Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. voltage drop across load for nominal current [V]	10
Resolution of analogue output	12 bit
Actuator supply outputs	AS-i

Accuracy / deviations	
Measuring error [% of the final value]	0,5

Operating conditions	
Ambient temperature [°C]	-25...70
Protection	IP 67

Tests / approvals	
EMC	EN 50295
	IEC 61000-6-2
MTTF [years]	137

AS-i classification	
AS-i version	3.0
Extended addressing mode	no
AS-i profile	S-7.5.5
AS-i I/O configuration [hex]	7
AS-i ID code [hex]	5.5

Assignment of the parameter bits	parameter bit	function				
	P0	watchdog analogue output	: 1	activated	* / 0	deactivated
	P1	peripheral fault indication analogue input	: 1	activated	* / 0	deactivated
	P2	peripheral fault	: 1	activated	* / 0	deactivated

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	indication analogue output					
P3	not used	: 1	default value			

Mechanical data

Weight [g]	198
Materials	PA; piercing contacts: CuSn6 nickel-plated and tin-plated

Displays / operating elements

Display	operation	LED, green
	errors	LED, red
	function	LED, yellow

Electrical connection

AS-i bus connection	Flachkabel
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Accessories

Items supplied	lower part
Accessories (optional)	Protective cap: M12, E73004

Remarks

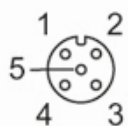
Remarks	3-wire connection possible via external link.
	The actuator supply on pins 1 and 3 can be used to supply the sensors / actuators.
	In this case, an electrical isolation to AS-i is not given.
	The analogue inputs and outputs (pins 2 and 4) are electrically separated and have no connection to AS-i.
	Do not connect any of the following points to an external potential: I-1/2, I-2, Pin 1, Pin 3
Pack quantity	1 pcs.

Electrical connection

; Maximum cable length: 30 m
quick mounting technology for AS-i flat cable: ; three orientations possible

Electrical connection - analogue

Connector: M12; Maximum cable length: 30 m





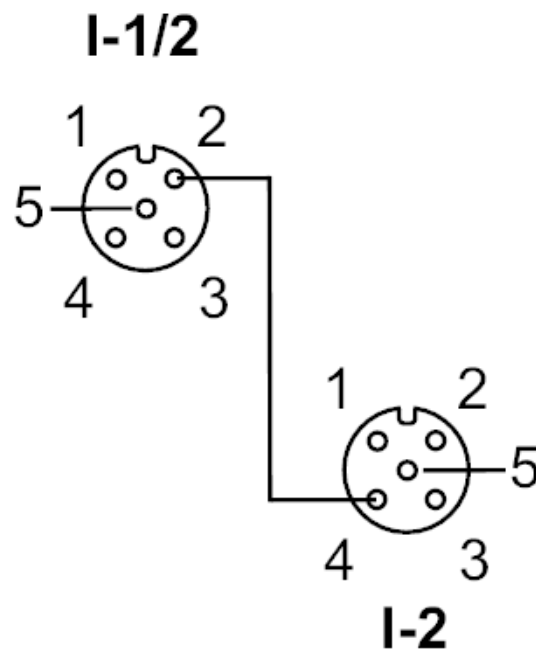
AS-Interface ClassicLine module with quick mounting technology

ClassicLine 1AI C 1AO C 2DI

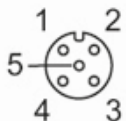
	analogue input
1	Sensor supply + 24 V
2	analogue input AI +
3	Sensor supply 0 V
4	analogue input AI -
5	functional earth
	analogue output
1	actuator supply + 24 V
2	analogue output AO +
3	actuator supply 0 V
4	analogue output AO -
5	functional earth

Electrical connection - digital

Connection



Connector: M12; Maximum cable length: 30 m



AC5230



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 1AI C 1AO C 2DI

	input
	socket I-1/2
1	Sensor supply L+
2	data input 2
3	Sensor supply L-
4	data input 1
5	functional earth FE
	socket I-2
1	Sensor supply L+
2	not used
3	Sensor supply L-
4	data input 2
5	functional earth FE