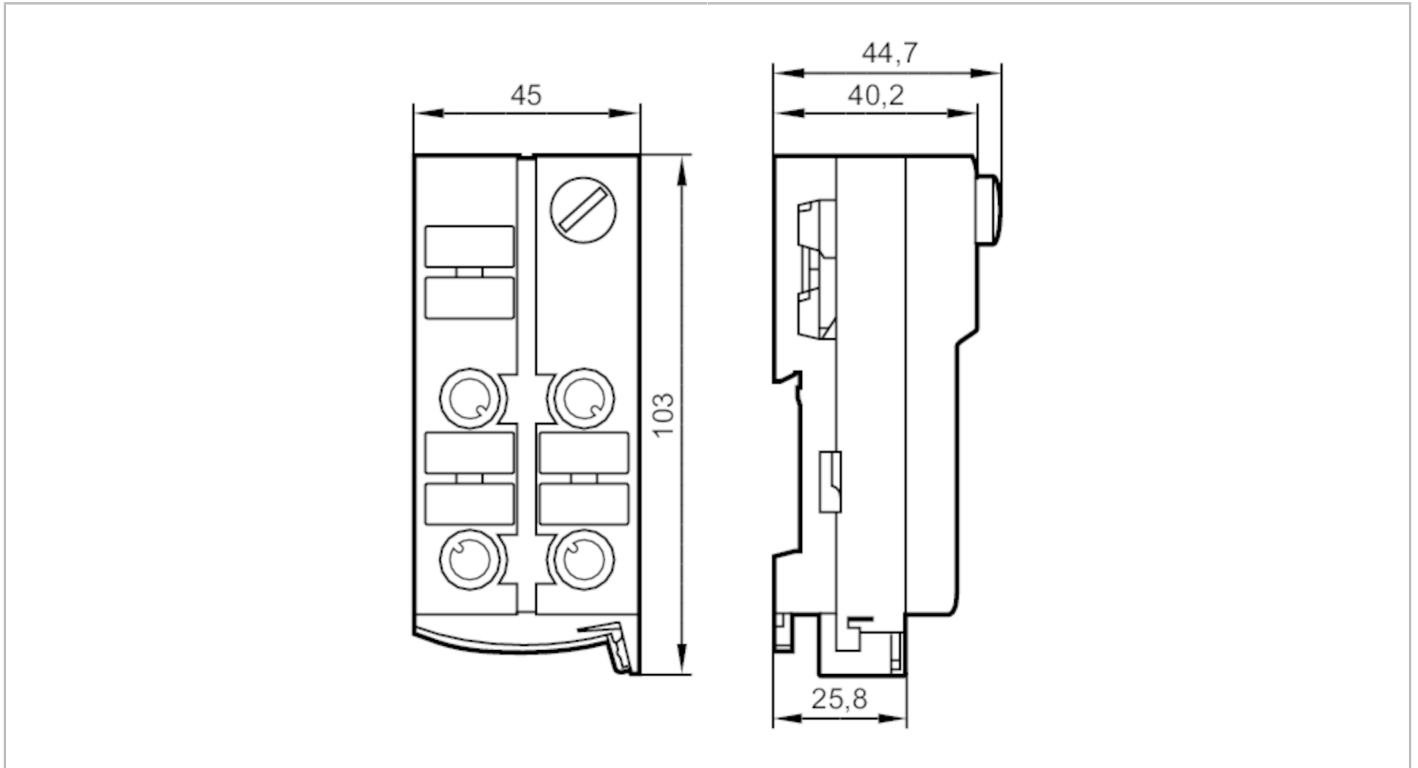


AC5230



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	
Application	only for operation with AS-i masters with the profile M4
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



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ClassicLine 1AI C 1AO C 2DI

Inputs						
Number of digital inputs	2					
Number of analogue inputs	1					
Input circuit of digital inputs	PNP					
Sensor supply of the inputs	AS-i					
Voltage supply [V]	18...30					
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 analogue 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 possible	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	: 1	activated	* / 0	deactivated



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	analogue input					
P2	peripheral fault indication analogue output	: 1	activated	* / 0	deactivated	
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

Accessories

Accessories (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

	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

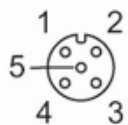
Connector: M12; Maximum cable length: 30 m

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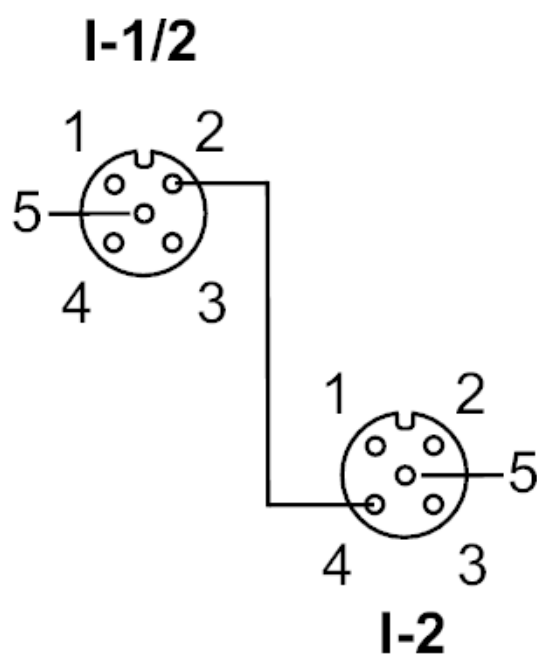
AS-Interface ClassicLine module with quick mounting technology

ClassicLine 1AI C 1AO C 2DI



Electrical connection - digital

Connection



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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

Connector: M12; Maximum cable length: 30 m

