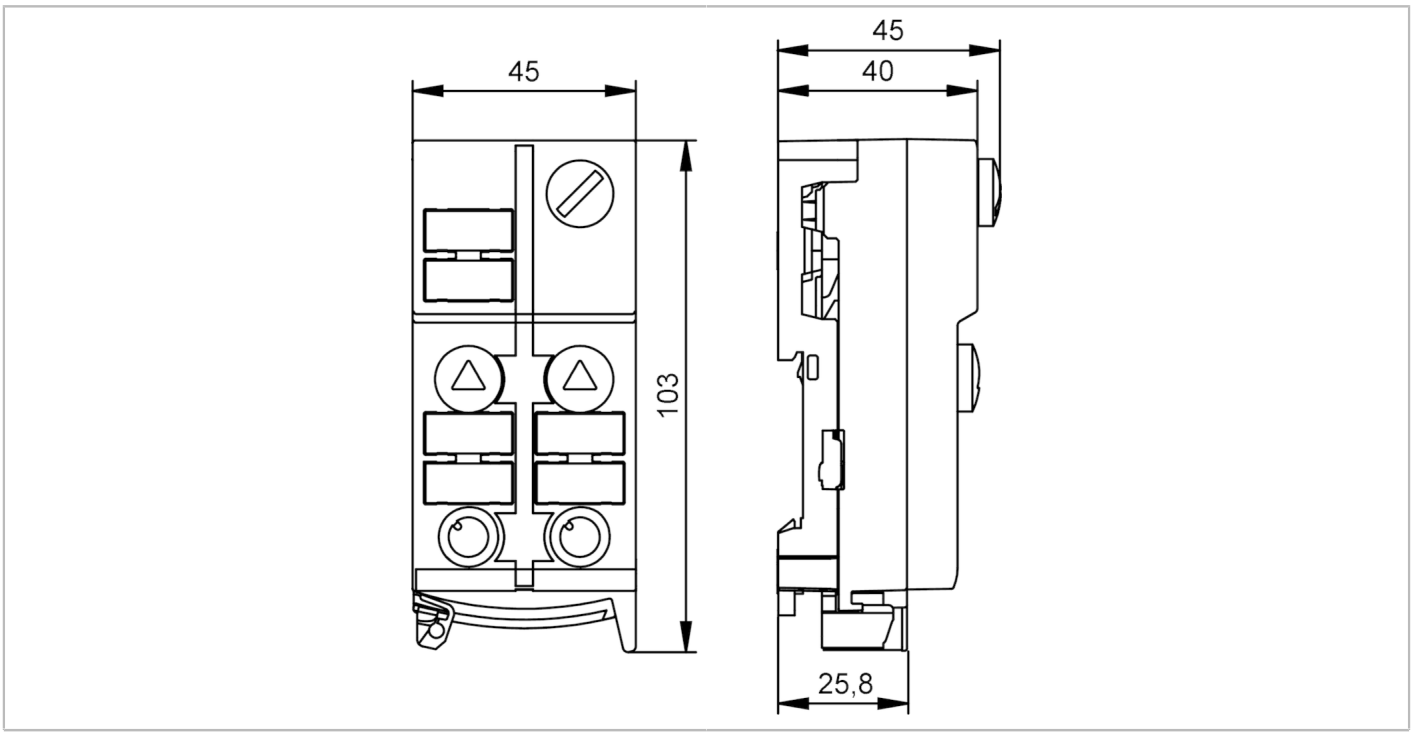
AC5230

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		housing for DIN rail mounting, only for operation with AS-i masters with the profile M4
Application		field installation
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	250
Reverse polarity protection		yes
Max. current load total	[A]	0.2
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 2; Number of analogue inputs: 1; Number of analogue outputs: 1
Inputs		
Number of digital inputs		2
Input circuit of digital inputs		PNP
Sensor supply of the inputs		AS-i
Voltage supply	[V]	18...30; (DC)
Number of analogue inputs		1; (connection of 2-wire, 3-wire and 4-wire sensors)
Analogue input (current)	[mA]	4...20
Max. voltage drop across load for nominal voltage	[V]	10
Short-circuit proof		yes

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Resolution		12 bit	
Outputs			
Number of analogue outputs		1; (connection of 2-wire, 3-wire and 4-wire actuators)	
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	
Storage temperature	[°C]	-25...70	
Max. relative air humidity	[%]	90; (non condensing)	
Max. height above sea level	[m]	2000	
Protection		IP 67	
Tests / approvals			
EMC		EN 50295	
		IEC 61000-6-2	
MTTF	[years]	137	
UL approval		voltage supply	Class 2
AS-i classification			
AS-i version		3.0	
Extended addressing mode		no	
AS-i master profile		M4	
AS-i profile		S-7.5.5	
AS-i I/O configuration	[hex]	7	
AS-i ID code	[hex]	5.5	
Mechanical data			
Weight	[g]	162.6	
Housing		rectangular	
Type of mounting		quick mounting; AS-i flat cables directly connectable; mounting on DIN rail; (TH35 (EN 60715))	
Dimensions	[mm]	103 x 45 x 44.7	
Materials		PA; piercing contacts: CuSn6 nickel-plated and tin-plated	
Displays / operating elements			
Display		analogue signal	LED, yellow channels AI1, AO1
		switching status	LED, yellow channels I1...I2
		operation	LED, green AS-i
		errors	LED, red
Electrical connection			
Module connection		Flat cables	

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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
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

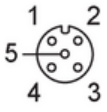
Electrical connection

; Maximum cable length: 30 m

quick mounting technology for AS-i flat cable: ; three orientations possible

Electrical connection - analogue

Connector: M12; coding: A; Contacts: 5; Maximum cable length: 30 m



	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

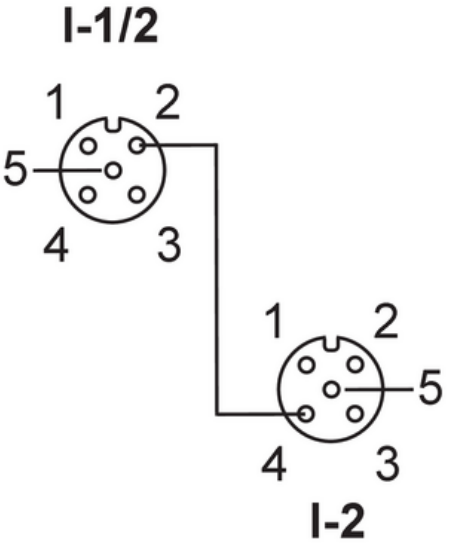
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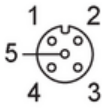
ClassicLine 1AI C 1AO C 2DI

Electrical connection - digital

Connection



Connector: M12; coding: A; Contacts: 5; Maximum cable length: 30 m



	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