

AC5230



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 1AI C 1AO C 2DI



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

Number of digital inputs		2
Number of analogue inputs		1
Input circuit of digital inputs		PNP
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
Sensor supply of the inputs		AS-i



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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
Actuator supply analogue outputs						AS-i
Accuracy / deviations						
Measuring error						0,5
	[% of the final value]					
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 analogue input	: 1	activated	* / 0	deactivated
	P2	peripheral fault indication analogue output	: 1	activated	* / 0	deactivated
	P3	not used	: 1	default value		
Mechanical data						
Weight	[g]					192.2
Materials						PA; piercing contacts: CuSn6 nickel-plated and tin-plated;



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Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow

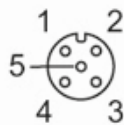
Accessories	
Accessories (supplied)	lower part
Accessories (optional)	Protective cap: M12, E73004

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 - 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



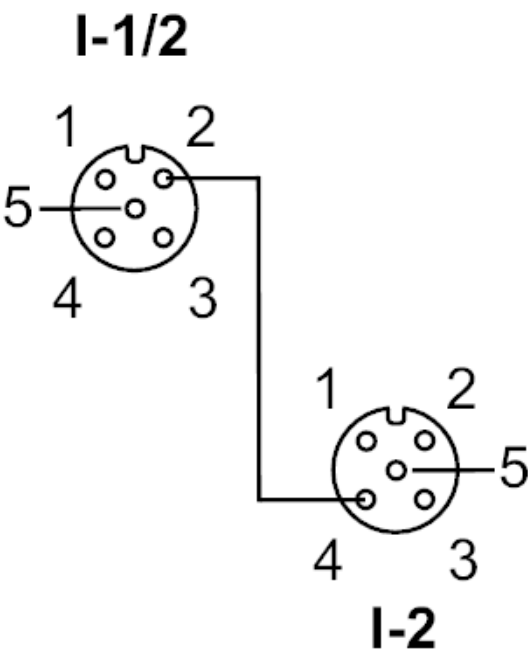


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Electrical connection - digital

Connection



	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

Electrical connection

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