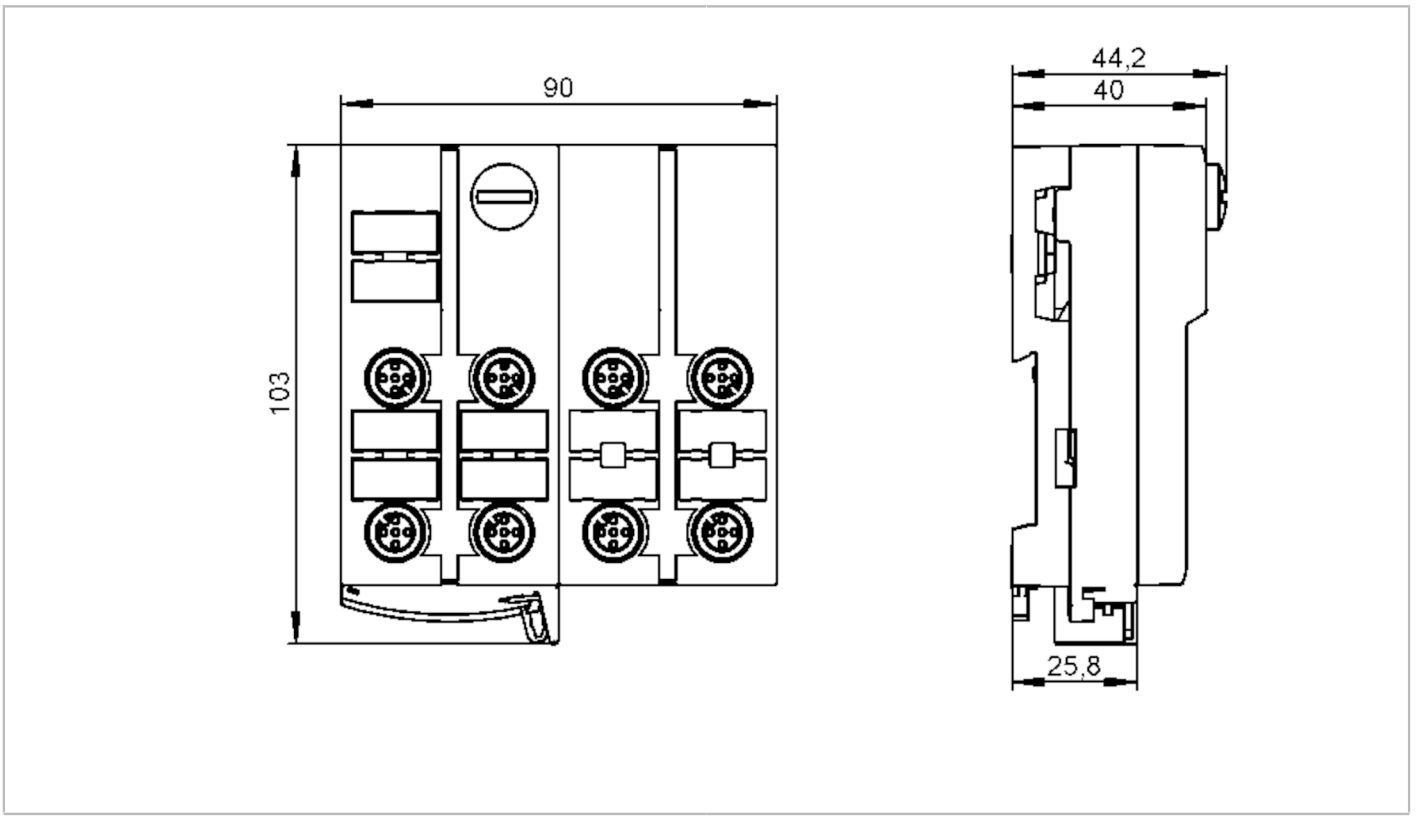
AC5235

AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y IP67



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; ("supply class 2" to cULus)
Max. current consumption from AS-i	[mA]	250
Additional voltage supply	[V]	15...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	4000
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
Sensor supply of the inputs		AS-i
Voltage supply	[V]	18...30; (via flat cable)
Max. total current rating of inputs	[mA]	200
Input current High	[mA]	6...10
Input current Low	[mA]	0...2
Switching level high	[V]	> 11

AC5235

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Digital inputs protected against short circuits		yes				
Outputs						
Number of digital outputs		4				
Circuit		PNP				
Voltage range DC	[V]	15...30; (to PELV; via flat cable)				
Max. current load per output	[mA]	1000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))				
Total current rating of all outputs	[A]	4				
Short-circuit proof		yes				
Electrically separated		yes				
Actuator supply outputs		AUX				
Operating conditions						
Ambient temperature	[°C]	-25...70				
Protection		IP 67				
Tests / approvals						
EMC		EN 50295				
		IEC 61000-6-2				
MTTF	[years]	155				
AS-i classification						
AS-i version		3.0				
AS-i addressing		addressing socket				
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-1/2	I-1/2 I-2	I-3/4	I-3/4 I-4
		pin	4	2 4	4	2 4
		Output	1	2	3	4
		socket	O-1/2	O-1/2 O2	O-3/4	O-3/4 O-4
		pin	4	2 4	4	2 4
Mechanical data						
Weight	[g]	273.8				
Housing		rectangular				
Type of mounting		quick mounting; AS-i flat cables directly connectable; mounting on DIN rail; (TH35 (EN 60715))				
Dimensions	[mm]	103 x 90 x 44.2				
Materials		PA; piercing contacts: CuSn6 nickel-plated and tin-plated				
Displays / operating elements						
Display		operation	LED, green			
		errors	LED, red			
		function	LED, yellow			

AC5235

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Electrical connection	
Module connection	Flat cables

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

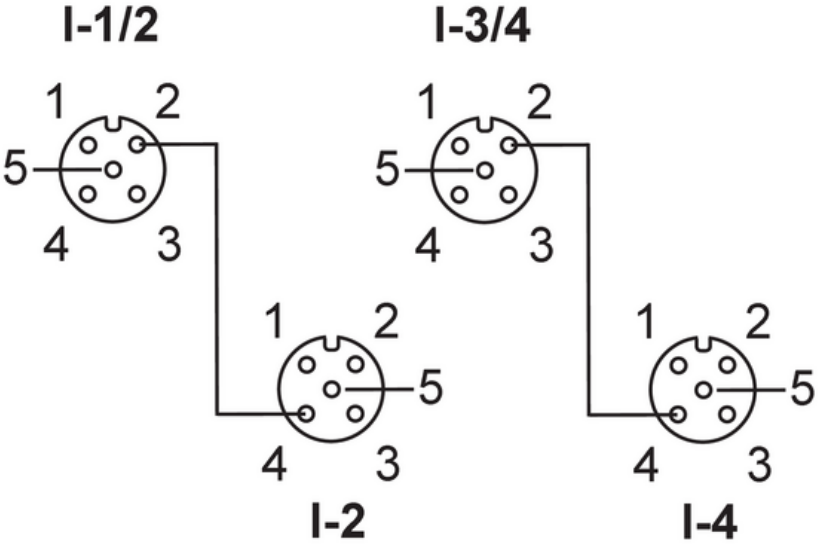
Remarks	
Remarks	Inputs and outputs must be electrically isolated. Do not connect any of the following points to an external potential: I-, I+, I1, I2, I3, I4 The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection

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

Electrical connection - Inputs

Connection



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AS-Interface ClassicLine module with quick mounting technology

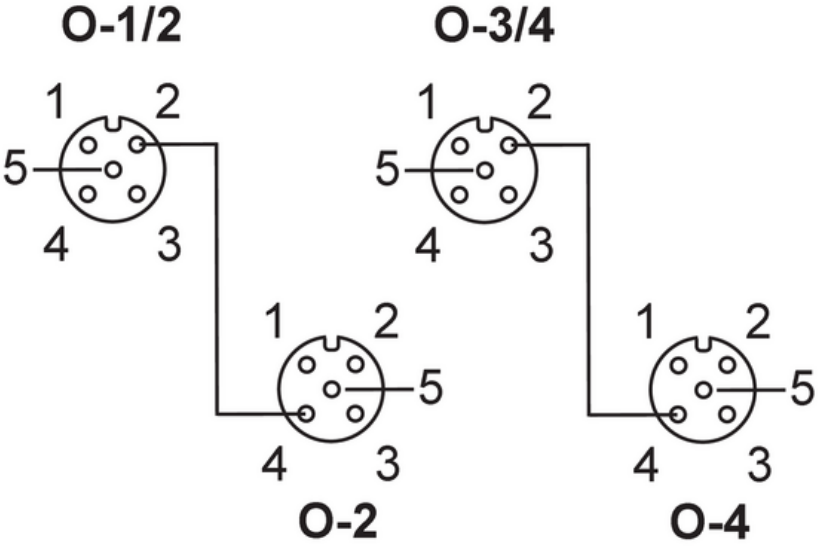
ClassicLine 4DI-Y 4DO-Y IP67

Connector: M12

	Inputs
	socket I-1/2
1	Sensor supply L+
2	data input 2
3	Sensor supply L-
4	data input 1
5	not used
	socket I-2
1	Sensor supply L+
2	not used
3	Sensor supply L-
4	data input 2
5	not used
	socket I-3/4
1	voltage supply L+
2	data input 4
3	Sensor supply L-
4	data input 3
5	not used
	socket I-4
1	Sensor supply L+
2	not used
3	Sensor supply L-
4	data input 4
5	not used

Electrical connection - Outputs

Connection



AC5235

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ClassicLine 4DI-Y 4DO-Y IP67

Connector: M12

	Outputs
	socket O-1/2
1	not used
2	switching output 2
3	external voltage AUX -
4	switching output 1
5	not used
	socket O-2
1	not used
2	not used
3	external voltage AUX -
4	switching output 2
5	not used
	socket O-3/4
1	not used
2	switching output 4
3	external voltage AUX -
4	switching output 3
5	not used
	socket O-4
1	not used
2	not used
3	external voltage AUX -
4	switching output 4
5	not used