



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI 4DO-Y IP67



Application		
Design		housing for DIN rail mounting
Application		field installation
Electrical data		
Operating voltage	[V]	26.5...31.6 DC; (cULus - Class 2 source required)
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



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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]	2000; (utilization category DC-13 (control of electromagnets): 40 W (IEC 60947-5-1))				
Max. current load outputs total [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]	149				
AS-i classification					
AS-i version	2.11; 3.0				
AS-i addressing	Addressing socket				
Extended addressing mode	no				
AS-i master profile	M2; M3; M4				
AS-i profile	S-7.0.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	0.E				
Data bits	Data bit	D0	D1	D2	D3
	Input	1	2	3	4
	Socket	I-1	I-2	I-3	I-4
	Pin	2+4	2+4	2+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]	272.6				
Housing	rectangular				
Type of mounting	AS-i flat cable connection; Mounting on DIN rail; (TH35 (EN 60715))				
Dimensions [mm]	103 x 90 x 44.2				
Material	PA; Piercing contacts: CuSn6 nickel-plated and tin-plated				
Displays / operating elements					
Display	Power	LED, green			
	errors	LED, red			
	Function	LED, yellow			



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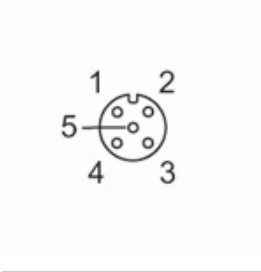
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Electrical connection	
Module connection	Flat cable
Accessories	
Items supplied	lower part
Accessories (optional)	Protective cap: M12, E73004
Remarks	
Remarks	Inputs and outputs must be electrically isolated.
	Do not connect any of the following points 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 selectable directions

Electrical connection - Inputs

Connector: M12; coding: A



1	Inputs
2+4	Sensor supply L+
3	Data input internally bridged
5	Sensor supply L-
	not used

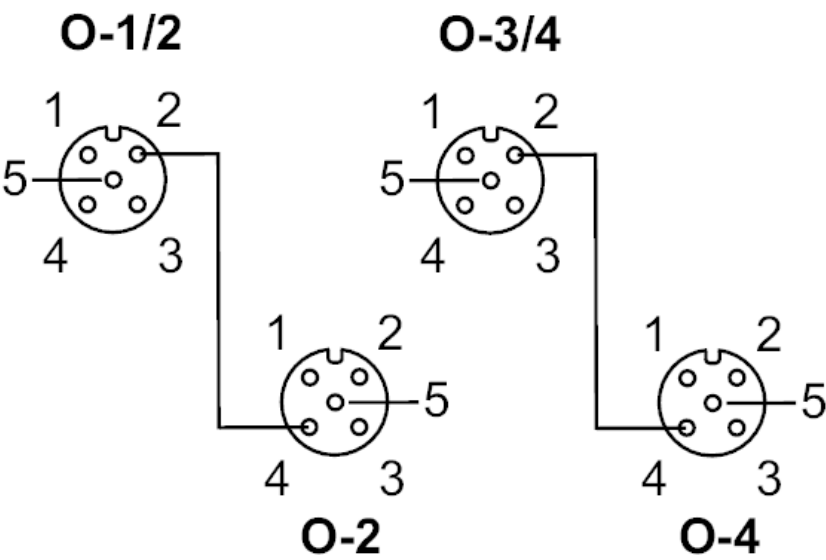


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Electrical connection - Outputs

Connection



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