

AC535A



AS-Interface ClassicLine module with quick mounting technology

ClassicL 4DI-Y 4DO-Y II 3D



Application	
Design	only for operation with AS-i masters with the profile M4
Application	AS-i ATEX module
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	250
Max. current load total [A]	2
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
Power 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
Digital inputs protected against short circuits	yes



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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))				
Short-circuit proof	yes				
Electrically separated	yes				
Operating conditions					
Ambient temperature [°C]	-10...50				
Protection	IP 50				
Tests / approvals					
ATEX marking	Ⓔ II 3D Ex tc IIIB T80°C Dc X IP50				
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				
AS-i certificate pending	yes				
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]	322				
Type of mounting	AS-i flat cables directly connectable				
Materials	PA; piercing contacts: CuSn6 nickel-plated and tin-plated				
Displays / operating elements					
Display	operation			LED, green	
	errors			LED, red	
	function			LED, yellow	
Electrical connection					
Module connection	Flat cables				
Accessories					
Items supplied	lower part				



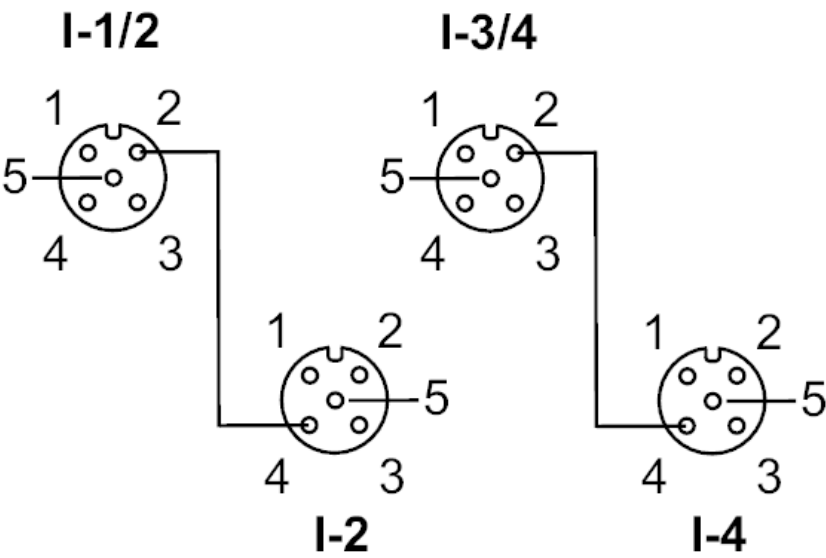
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Accessories (optional)

Protective cap: M12, E73004
Impact protection housing:, E7000A

Remarks	
Remarks	Mechanical protection has to be implemented. Otherwise the unit must be installed together with the impact protection housing (E7000A). 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. Inputs and outputs must be electrically isolated.
Pack quantity	1 pcs.

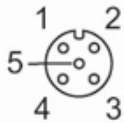
Electrical connection
quick mounting technology for AS-i flat cable: ; three orientations possible
Electrical connection - Inputs
Connection





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Connector: M12; coding: A



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	power 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

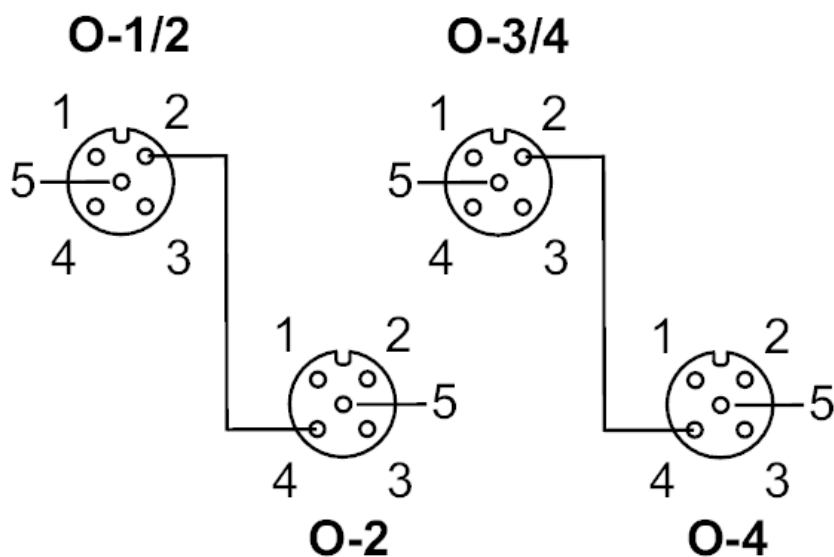


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Electrical connection - Outputs

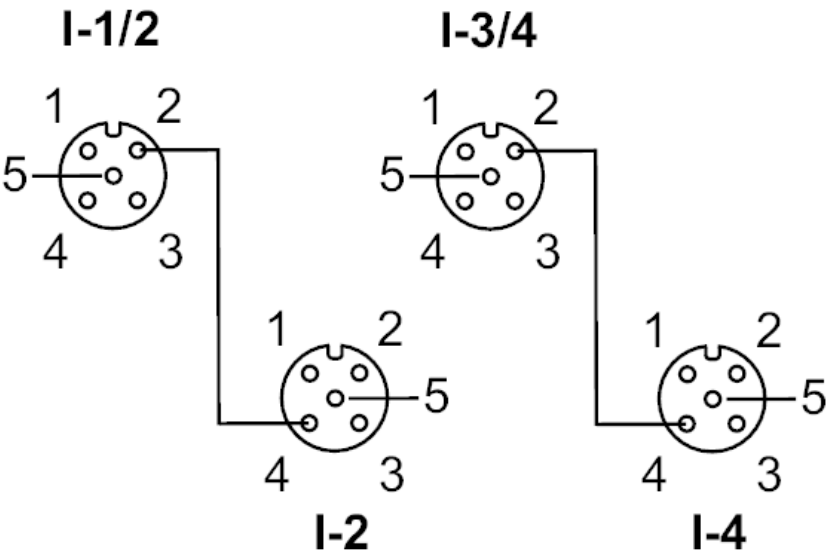
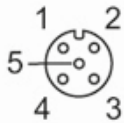
Connection





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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

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