

AC507A



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 2DI 2DO-Y II 3D



Application		
Application	AS-i ATEX module	
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	150
Max. current load total	[A]	4
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs	Number of digital inputs: 2; Number of digital outputs: 2	
Inputs		
Number of digital inputs		2
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]	100
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	2				
Circuit	PNP				
Voltage range DC [V]	15...30; (to PELV; via flat cable)				
Max. current load per output [mA]	2000; (utilisation category DC-13 (control of electromagnets): 40 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]	188				
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-3.0.E				
AS-i I/O configuration [hex]	3				
AS-i ID code [hex]	0.E				
AS-i certificate pending	yes				
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	-	-
	socket	I-1	I-2	-	-
	pin	2+4	2+4	-	-
	Output	-	-	3	4
	socket	-	-	O-3/4	O-3/4 O-4
	pin	-	-	4	2 4
Mechanical data					
Weight [g]	241				
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

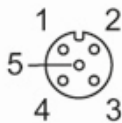
Remarks	
Remarks	Mechanical protection has to be implemented.
	Otherwise the unit must be installed together with the impact protection housing (E7000A).
	Inputs and outputs must be electrically isolated.
	Do not connect any of the following points to an external potential:
	I-, I+, I1, I2
	The connections 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

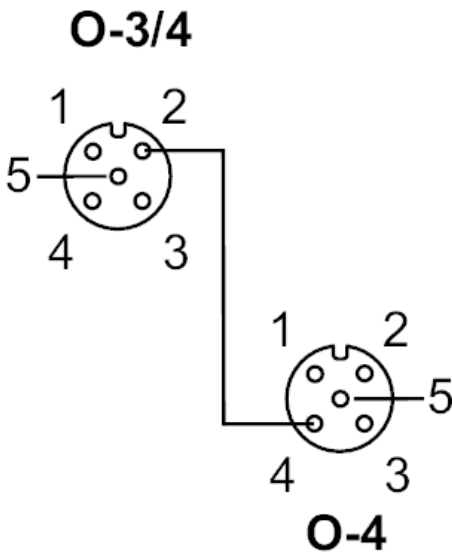
Connector: M12; coding: A



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

Electrical connection - Outputs

Connection



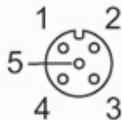
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Connector: M12; coding: A



Outputs	
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 4
2	not used
3	external voltage AUX -
4	switching output 4
5	not used