

AC514A



AS-Interface ClassicLine module with quick mounting technology

ClassicL 2DO-Y 2DI-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]	2
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



AS-Interface ClassicLine module with quick mounting technology

ClassicL 2DO-Y 2DI-Y II 3D

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]	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]	192				
AS-i classification					
AS-i version	2.11; 3.0				
AS-i addressing	addressing socket				
Extended addressing mode	yes				
AS-i master profile	M2; M3; M4				
AS-i profile	S-B.A.E				
AS-i I/O configuration [hex]	B				
AS-i ID code [hex]	A.E				
AS-i certificate pending	yes				
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	-	-	3	4
	socket	-	-	I-3/4	I-3/4 I-4
	pin	-	-	4	2 4
	Output	1	2	-	-
	socket	O-1/2	O-1/2 / O-2	-	-
	pin	4	2 4	-	-
Mechanical data					
Weight [g]	239.5				
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				

AC514A



AS-Interface ClassicLine module with quick mounting technology

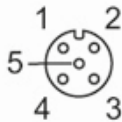
ClassicL 2DO-Y 2DI-Y II 3D
Accessories (optional)

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+, I-3/4, I-4
	The connections are electrically connected with the AS-i cable.
	Inputs and outputs must be electrically isolated.
Pack quantity	1 pcs.

Electrical connection

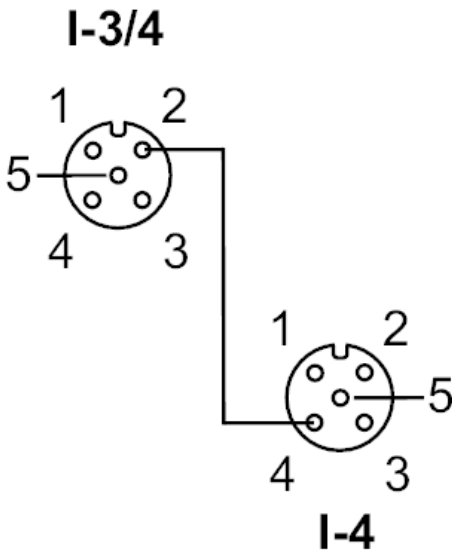
quick mounting technology for AS-i flat cable: ; three orientations possible



Connection

Electrical connection - Inputs

Connection





AS-Interface ClassicLine module with quick mounting technology

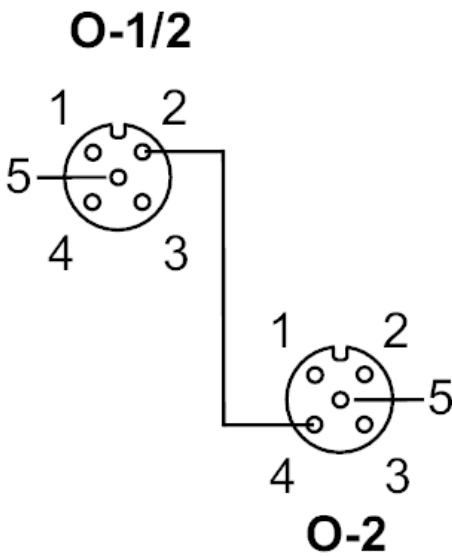
ClassicL 2DO-Y 2DI-Y II 3D

Connector: M12

	Inputs
	socket I-3/4
1	Sensor supply L+
2	data input 4
3	power 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



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