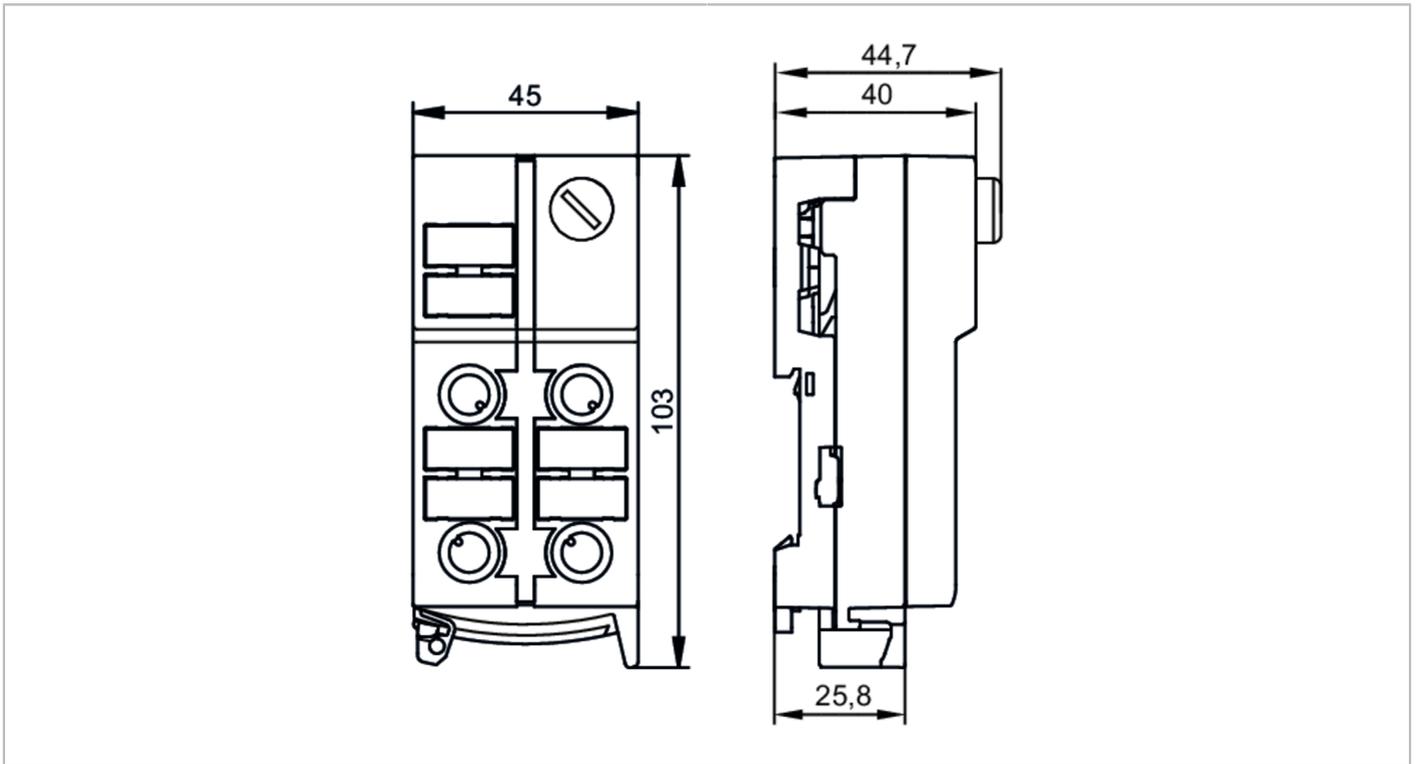


AC514A



AS-Interface ClassicLine module with quick mounting technology

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



Application

Application	AS-i ATEX module
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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
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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]	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	<table border="1"> <thead> <tr> <th>data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>input</td> <td>-</td> <td>-</td> <td>3</td> <td>4</td> </tr> <tr> <td>socket</td> <td>-</td> <td>-</td> <td>I-3/4</td> <td>I-3/4 I-4</td> </tr> <tr> <td>pin</td> <td>-</td> <td>-</td> <td>4</td> <td>2 4</td> </tr> <tr> <td>Output</td> <td>1</td> <td>2</td> <td>-</td> <td>-</td> </tr> <tr> <td>socket</td> <td>O-1/2</td> <td>O-1/2 / O-2</td> <td>-</td> <td>-</td> </tr> <tr> <td>pin</td> <td>4</td> <td>2 4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	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	-	-
data bit	D0	D1	D2	D3																																
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Output	1	2	-	-																																
socket	O-1/2	O-1/2 / O-2	-	-																																
pin	4	2 4	-	-																																
Mechanical data																																				
Weight [g]	239.5																																			
Housing	housing for DIN rail mounting																																			
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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AS-Interface ClassicLine module with quick mounting technology

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

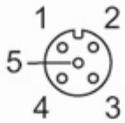
Accessories (optional)	Protective cap: M12, E73004 Impact protection housing: E7000A
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Remarks

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

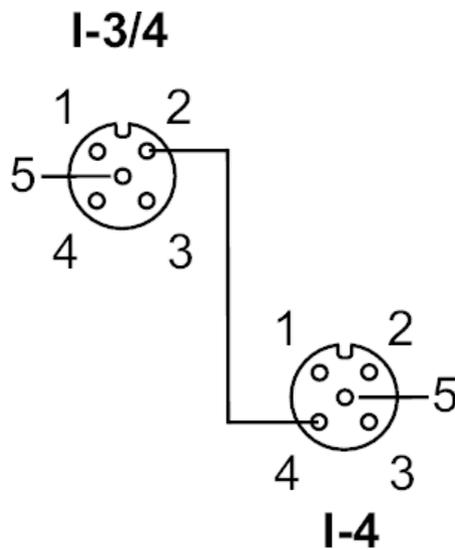
quick mounting technology for AS-i flat cable: ; three orientations possible



Connection

Electrical connection - Inputs

Connection



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AS-Interface ClassicLine module with quick mounting technology

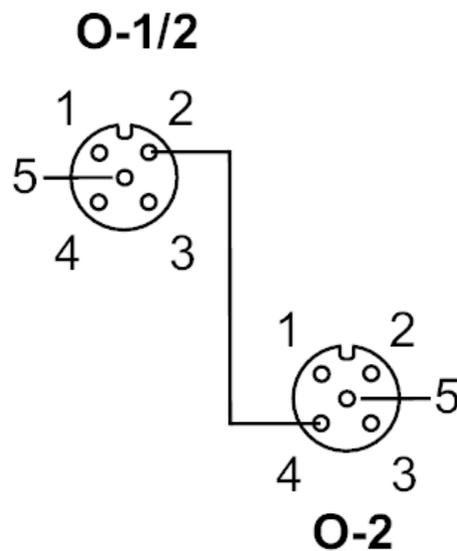
ClassicL 2DO-Y 2DI-Y II 3D

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