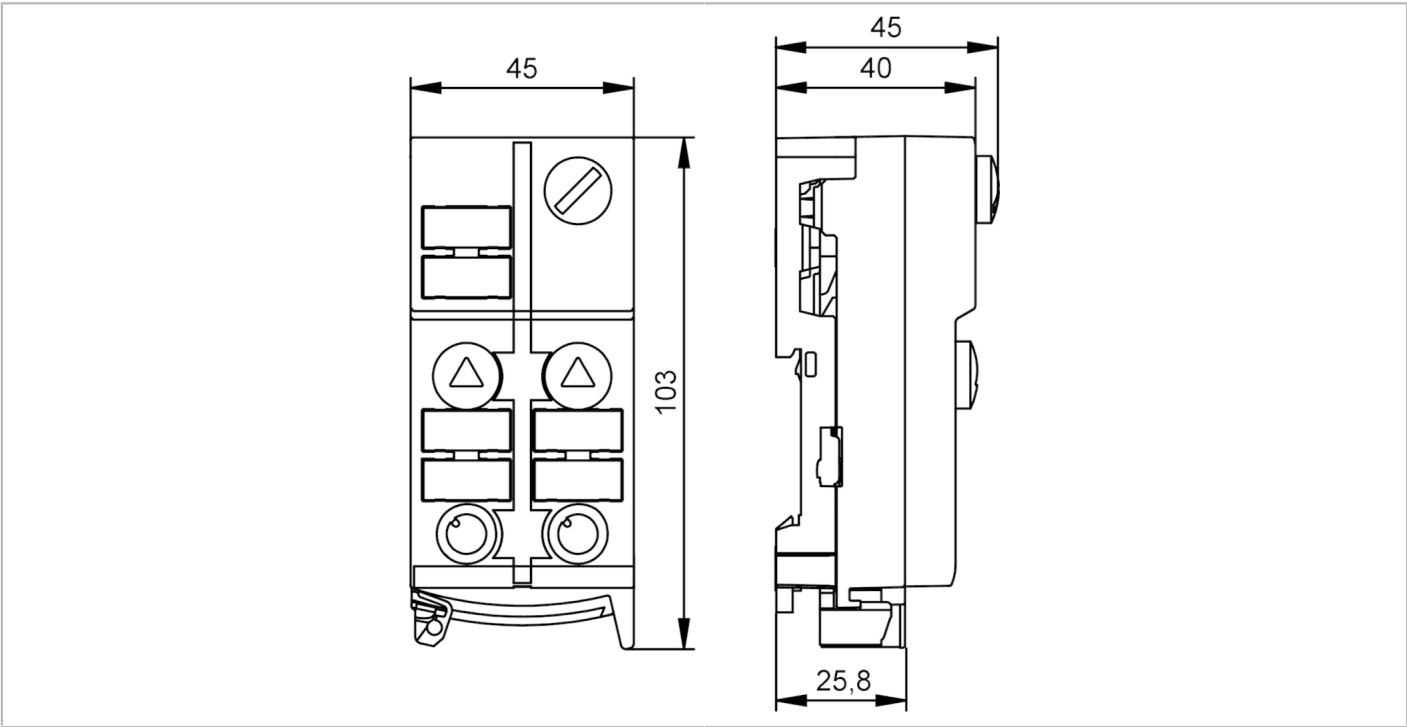


AC514A



AS-Interface ClassicLine module with quick mounting technology

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



Application		
Design		housing for DIN rail mounting
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
Voltage 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; (utilization 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				
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				
Housing	rectangular				
Type of mounting	AS-i flat cable connection; Mounting on DIN rail; (TH35 (EN 60715))				
Dimensions [mm]	103 x 45 x 44.7				
Material	PA; Piercing contacts: CuSn6 nickel-plated and tin-plated				
Displays / operating elements					
Display	Power		LED, green		
	errors		LED, red		
	Function		LED, yellow		
Electrical connection					
Module connection	Flat cable				

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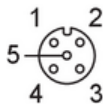
AS-Interface ClassicLine module with quick mounting technology

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

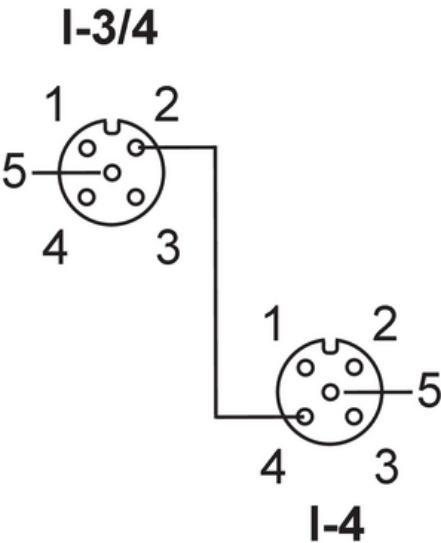
Accessories	
Items supplied	lower part
Accessories (optional)	Protective cap: M12, E73004
	impact protection housing:, E7000A
Remarks	
Remarks	Mechanical protection has to be implemented.
	Otherwise the unit must be installed together with the impact protection housing (E7000A).
	Do not connect any of 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 selectable directions



Connection



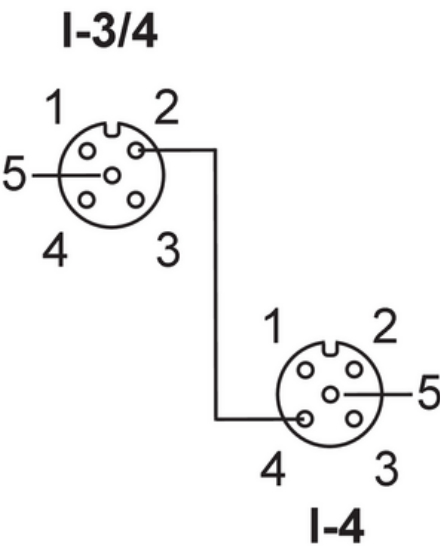


AS-Interface ClassicLine module with quick mounting technology

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

Electrical connection - Inputs

Connection

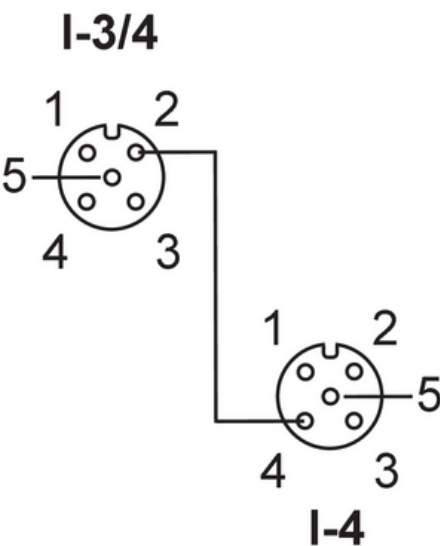


Connector: M12

Inputs	
Socket I-3/4	
1	Sensor supply L+
2	Data input 4
3	voltage 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



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

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