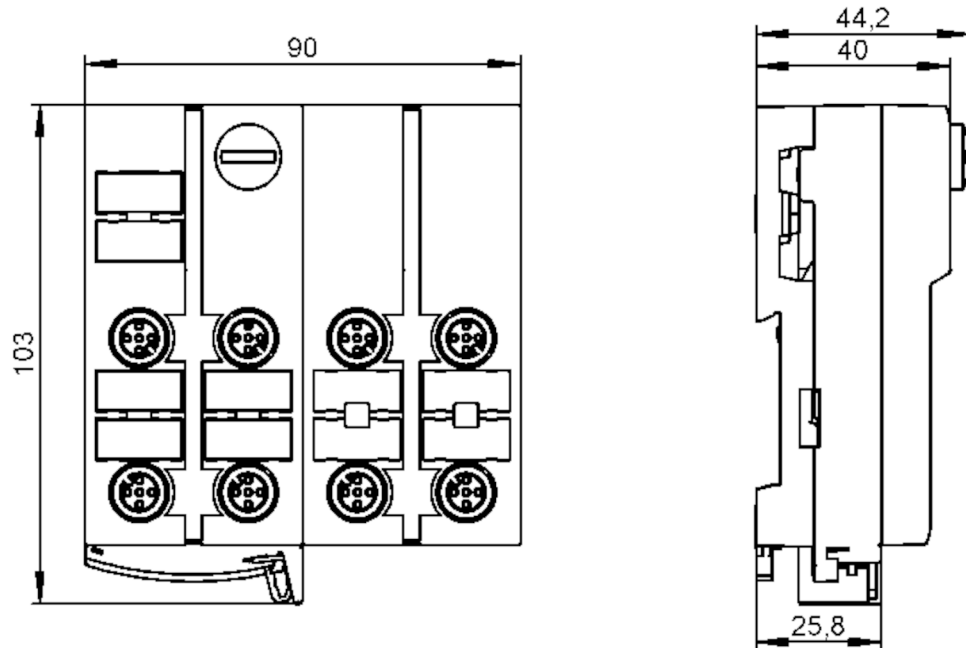


AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y



Application

Application only for operation with AS-i masters with the profile M4

Electrical data

Operating voltage [V]	26.5...31.6 DC; ("supply class 2" to cULus)
Max. current consumption from AS-i [mA]	250
Max. current load total [A]	4
Integrated watchdog	yes

Inputs

Number of digital inputs	4
Input circuit of digital inputs	PNP
voltage 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
Min. switching level high signal [V]	11
Digital inputs protected against short circuits	yes
Sensor supply of the inputs	AS-i



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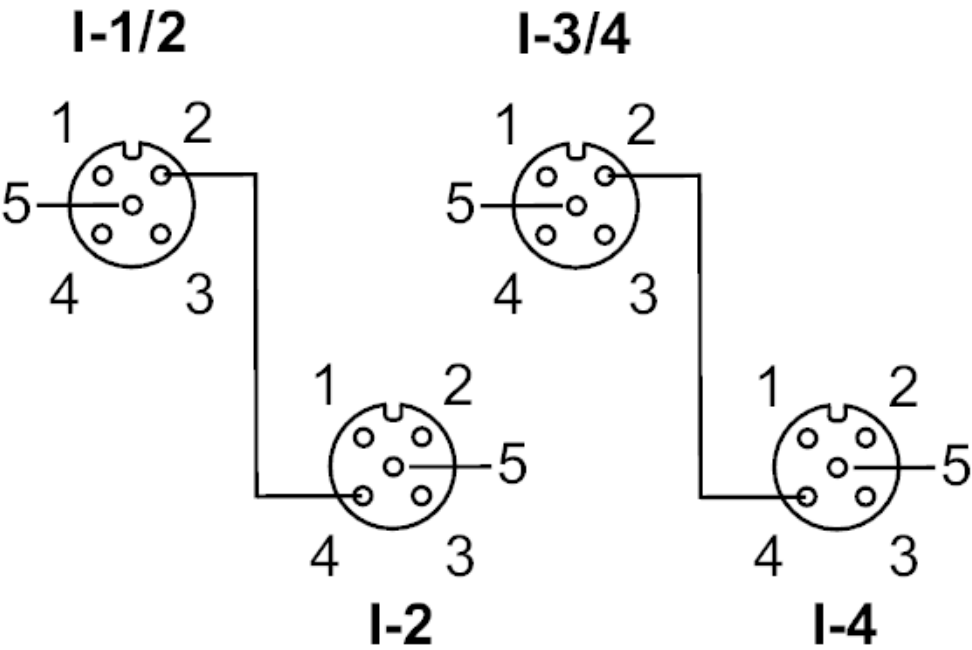
Outputs						
Number of digital outputs		4				
Beschaltung		PNP				
Voltage range DC		15...30; (to PELV; via flat cable)				
Max. current load per output [mA]		2000; (utilisation category DC-13 (control of electromagnets): 40 W (IEC 60947-5-1))				
Short-circuit proof		yes				
Electrically separated		yes				
Operating conditions						
Ambient temperature [°C]		-25...70				
Protection		IP 67				
Tests / approvals						
EMC		EN 50295				
		IEC 61000-6-2				
MTTF [years]		149				
AS-i classification						
AS-i version		3.0				
AS-i addressing		addressing socket				
Extended addressing mode possible		yes				
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]		304				
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		
Accessories						
Accessories (supplied)		lower part				
Accessories (optional)		Protective cap: M12, E73004				



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y

Remarks	
Remarks	Inputs and outputs must be electrically isolated.
	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.
Pack quantity	1 pcs.
Electrical connection - Inputs	
Connection	



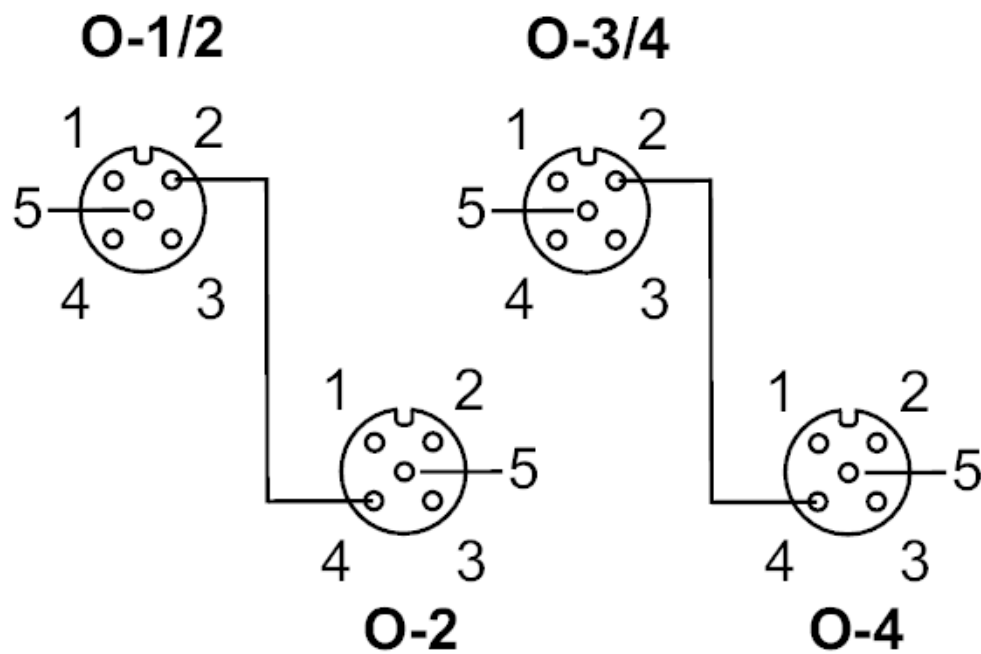


AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y

	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	voltage 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

Connector: M12





AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y

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

Connector: M12

Electrical connection

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