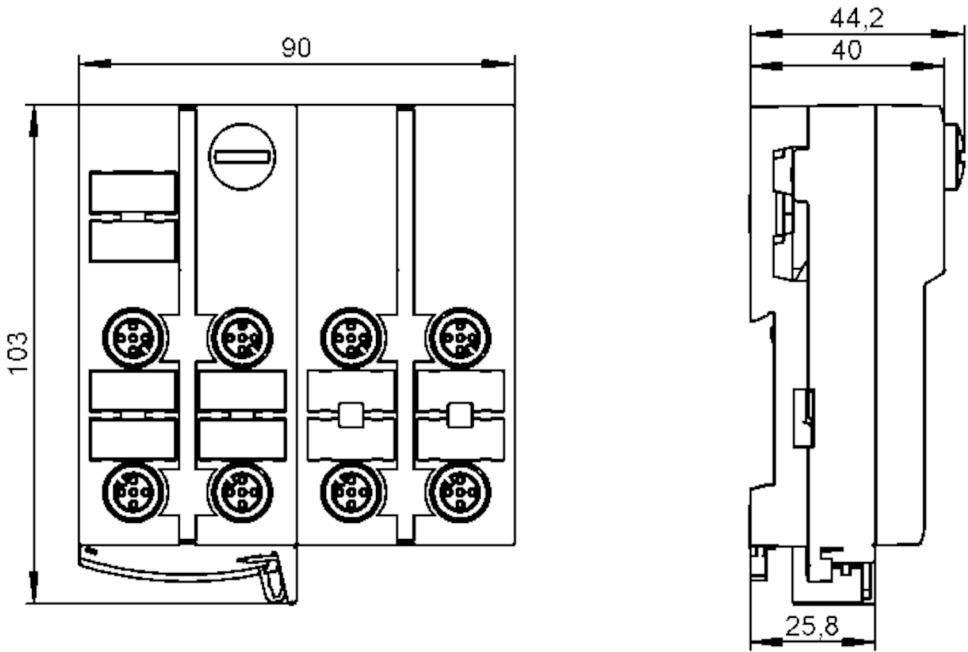




AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y



Application		
Design		only for operation with AS-i masters with the profile M4
Application		field installation
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 / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of digital outputs: 4
Inputs		
Number of digital inputs		4
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]	200
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

ClassicLine 4DI-Y 4DO-Y

Outputs					
Number of digital outputs	4				
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				
Actuator supply outputs	AUX				
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	yes				
AS-i master profile	M4				
AS-i profile	S-7.A.7				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	A.7				
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]	274.1				
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				
Accessories (optional)	Protective cap: M12, E73004				



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y

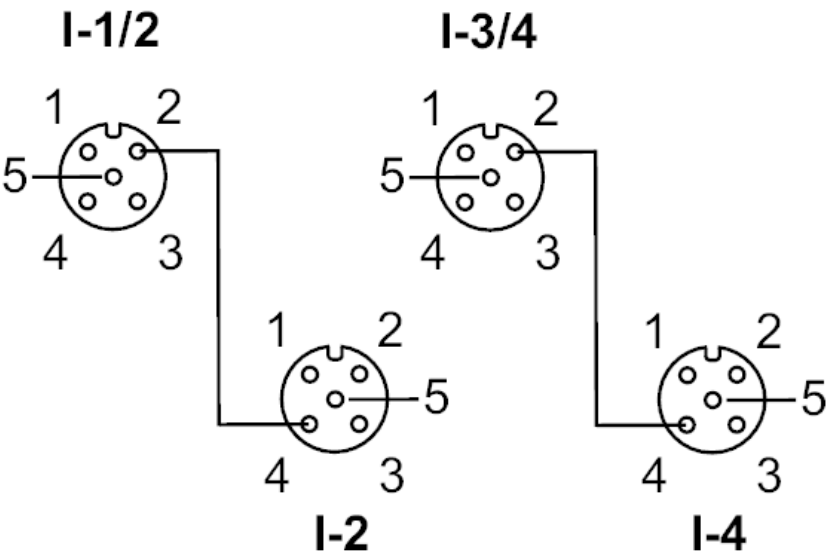
Remarks	
Remarks	Inputs and outputs must be electrically isolated.
	Do not connect any of the following points to an external potential:
	I-, I+, I1, I2, I3, I4
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection

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

Electrical connection - Inputs

Connection





AS-Interface ClassicLine module with quick mounting technology

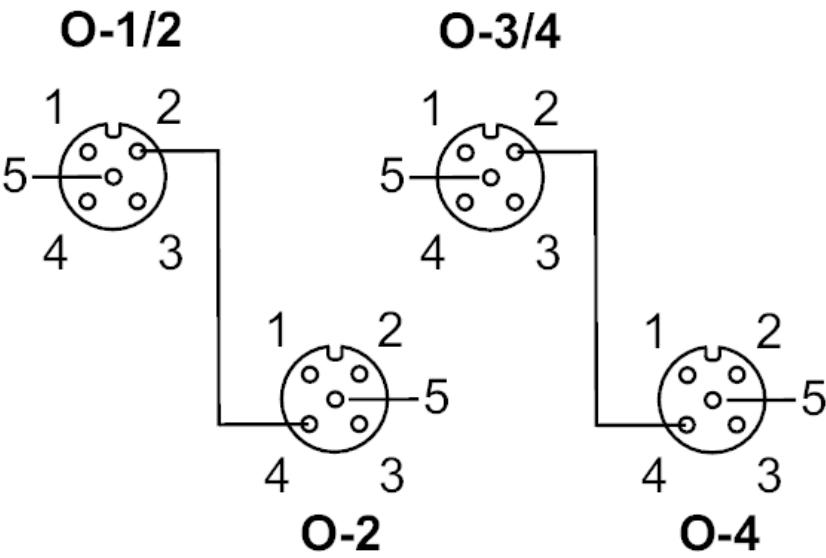
ClassicLine 4DI-Y 4DO-Y

Connector: M12

	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	power 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

Electrical connection - Outputs

Connection





AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y 4DO-Y

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
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