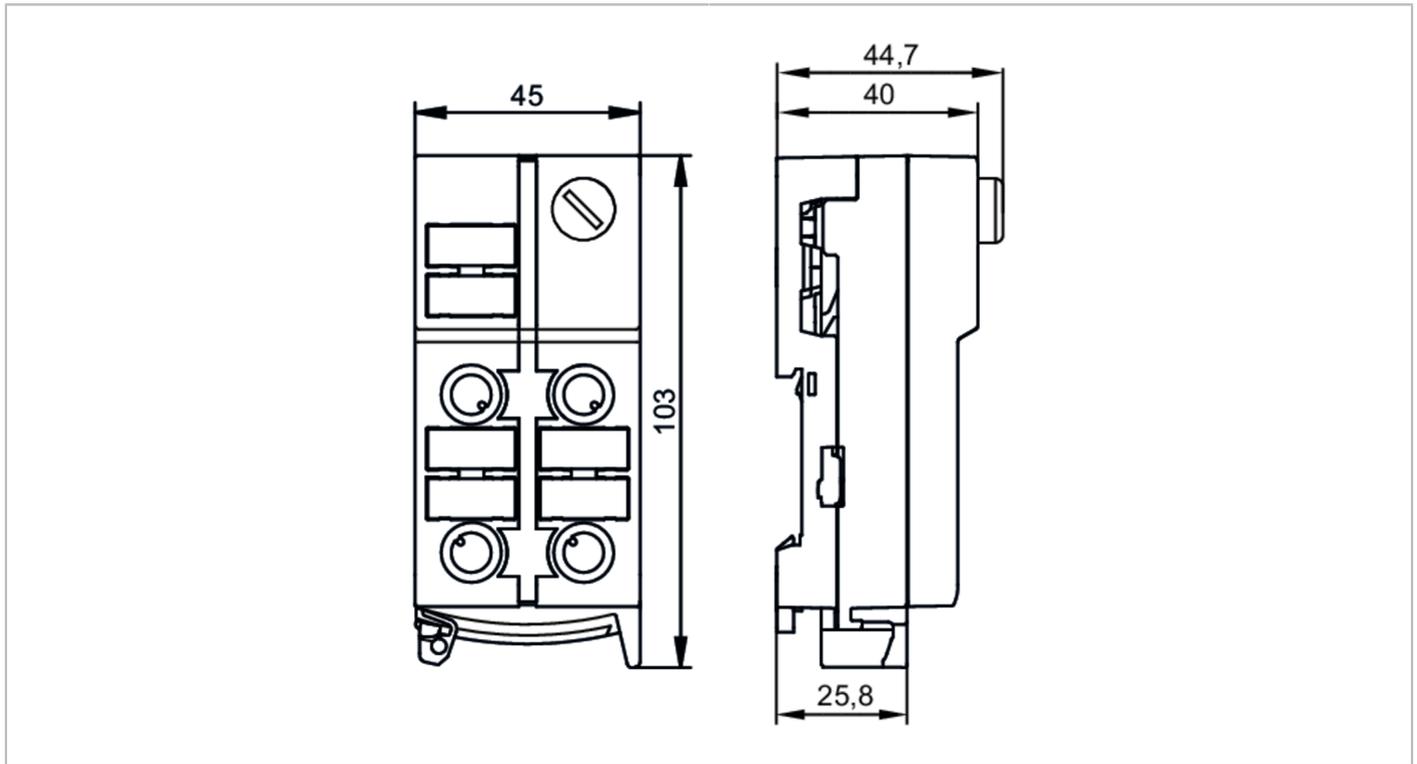# AC5290

AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y AUX IP67

Application	
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]	30

Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4

Inputs		
Number of digital inputs		4
Input circuit of digital inputs		PNP
Sensor supply of the inputs		AUX
Power supply	[V]	20...30; (via flat cable)
Max. total current rating of inputs	[mA]	1000
Input current High	[mA]	6...10
Input current Low	[mA]	0...2
Switching level high	[V]	> 11
Digital inputs protected against short circuits		yes

Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67

AC5290

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Tests / approvals					
EMC		EN 50295			
		IEC 61000-6-2			
MTTF	[years]	225			

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-0.A.E			
AS-i I/O configuration	[hex]	0			
AS-i ID code	[hex]	A.E			

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

Assignment of the parameter bits	parameter bit	Designation				
	P0	not used				
	P1	peripheral fault indication	: 1	activated	* / 0	deactivated
	P2	not used				
	P3	not used				

Mechanical data		
Weight	[g]	173
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 Voltage AUX > 7 V
	errors	LED, red AUX 15 V ± 2 V
	function	LED, yellow

Electrical connection	
Module connection	Flat cables

Accessories	
Items supplied	lower part
Accessories (optional)	Protective cap: M12, E73004

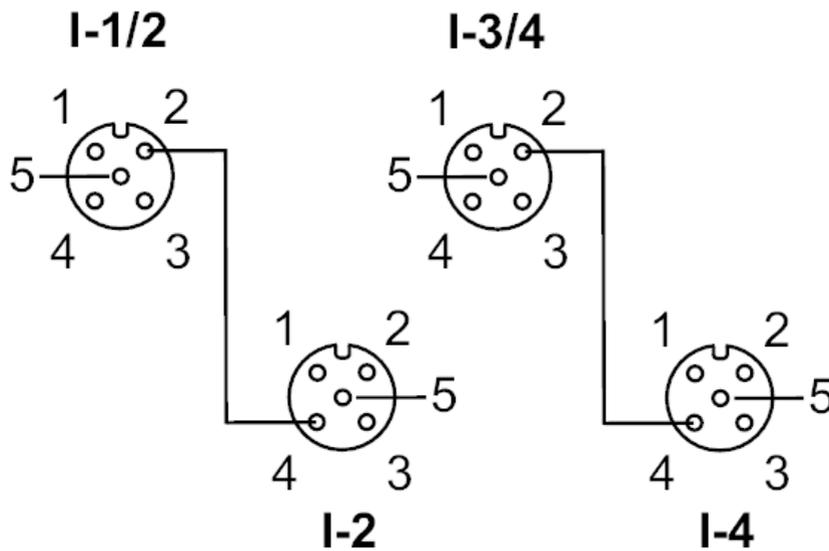| Remarks	
Pack quantity	1 pcs.

AC5290

AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y AUX IP67

Electrical connection

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

Connection

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