AC2509

AS-Interface ClassicLine module

ClassicLine90 4DI 4DO T M12

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Alternative articles: AC5209

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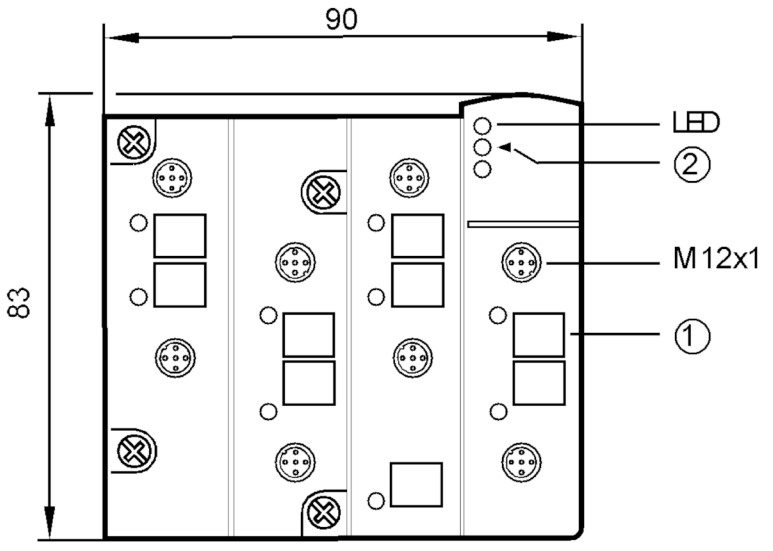

1 panel for labelling
2 fixture infrared adapter

Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	250
Max. current load total	[A]	2
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

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Outputs						
Electrical design		AS-i				
Number of digital outputs		4				
Circuit		PNP				
Voltage range DC	[V]	15...30; (to PELV; via flat cable; for cULus the voltage must comply with the values specified in "Limited Voltage/Current")				
Max. current load per output	[mA]	1000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1); according to cULus: 700 mA)				
Short-circuit proof		yes				
Electrically separated		yes				
Operating conditions						
Ambient temperature	[°C]	-25...70				
Protection		IP 67				
Tests / approvals						
EMC		EN 50295				
AS-i classification						
AS-i version		2.1				
AS-i addressing		IR addressing possible				
Extended addressing mode		no				
AS-i profile		S-7.0.E				
AS-i I/O configuration	[hex]	7				
AS-i ID code	[hex]	0.E				
AS-i certificate		39301				
Assignment of the data bits		data bit	D0	D1	D2	D3
		input	1	2	3	4
		socket	I-1	I-2	I-3	I-4
		pin	2+4	2+4	2+4	2+4
		Output	1	2	3	4
		socket	O-1	O-2	O-3	O-4
		pin	4	4	4	4
Mechanical data						
Weight	[g]	192				
Type of mounting		AS-i interface to FC-E lower parts				
Materials		PBT				
Displays / operating elements						
Display		operation	LED, green			
		errors	LED, red			
		function	LED, yellow			
Accessories						
Accessories (optional)		Module lower part				
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.				

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Pack quantity	1 pcs.

Electrical connection

contact pins to module lower part, FK-E:

Connector: M12; coding: A

	Inputs
1	Sensor supply L+
2+4	data input internally bridged
3	Sensor supply L-
5	not used
	Outputs
1	not used
2	not used
3	external voltage AUX -
4	switching output +
5	not used