



0910 ASL 135

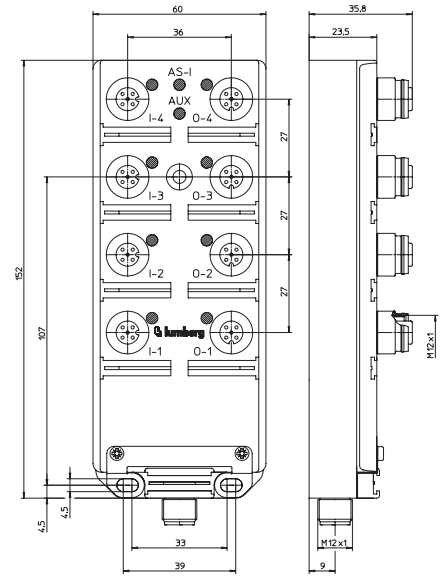


## AS-Interface Module with 4-Digital Inputs and 4-Digital Outputs

### 4 IN / 4 OUT

AS-Interface module with 4 digital inputs to connect standard sensors and 4 digital outputs to connect standard actuators, combined M12 socket, M12 bus connection.

- Replaces module 0910 ASL 109 -






### Bit Assignment

Bit	-	-	-	-	3	2	1	0
<b>M12 Input</b>								
Byte 0	-	-	-	-	I-4	I-3	I-2	I-1
<b>M12 Output</b>								
Byte 0	-	-	-	-	O-4	O-3	O-2	O-1

### Diagnostic Indication

LED	Indication	Condition
0-1..4 / 0-4..4	yellow	channel status
U-AS-i	green	AS-Interface power supply active
AUX	green	actuator supply active

### Pin Assignments

Bus connection M12	Input M12	Output M12
 <ul style="list-style-type: none"> <li>1 = AS-Interface +</li> <li>2 = 0 V AUX</li> <li>3 = AS-Interface -</li> <li>4 = +24 V AUX</li> </ul>	 <ul style="list-style-type: none"> <li>1 = +24 V</li> <li>2 = IN</li> <li>3 = GND (0 V)</li> <li>4 = IN</li> <li>5 = n.c.</li> </ul>	 <ul style="list-style-type: none"> <li>1 = n.c.</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = OUT</li> <li>5 = earth</li> </ul>



Be Certain with Belden

## AS-Interface Module with 4-Digital Inputs and 4-Digital Outputs

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### Technical Data

#### Environmental

Degree of protection	IP 67
Operating temperature range	-25°C (-13°F) to +80°C (+176°F)
Weight	200 g
Housing material	PUR

#### Bus system

AS-Interface profile	<b>AS-Interface Version 2.1</b>
I/O configuration	S 7.A.E
ID code	7 hex
ID2 code (extended ID-code)	0 hex
Support A/B addressing	F hex
	yes

#### Electronics power supply

Rated voltage	<b>AS-Interface</b>
Voltage range	AS-Interface net
Power consumption	26.5–31.6 V DC
Reverse polarity protection	max. 250 mA
Indication	yes
	LED green

#### Input power supply

Voltage range (AS-Interface net)	17–30 V
Total current of all sensors	max. 200 mA
Short circuit-proof	yes

#### Inputs

Rated input voltage	<b>Type 2 acc. to IEC 61131-2</b>
Signal state "1"	24 V DC
Signal state "0"	Us > 11 V / Is > 6 mA
Input current at 24 V	Is < 2 mA
Input circuit	15 mA
Number of digital channels	p-switching
Channel status indicator	4
	LED yellow per channel

#### Output power supply

Rated voltage	<b>AUX</b>
Voltage range	24 V DC
Potential separation	10–30 V
Reverse polarity protection	present
Indication	yes/electronic
	LED green

#### Outputs

Rated output current	<b>Type 2 A acc. to IEC 61131-2</b>
Short circuit-proof	2 A per channel
Max. output current	yes
Overload-proof	4 A per module
Number of digital channels	yes
Channel type N.O.	4
Channel status indicator	p-switching
	LED yellow per channel

#### Diagnostic

Indication	LED red
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#### Connection via cordset, double-ended

M12 / M12	0915 034 101/... M
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#### Included in delivery / Accessories

Dust covers M12	2 pieces
Attachable label	10 pieces

### Part Number

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The application of these products in harsh environments should always be checked before use. Specifications subject to alteration.