



0910 ASL 425

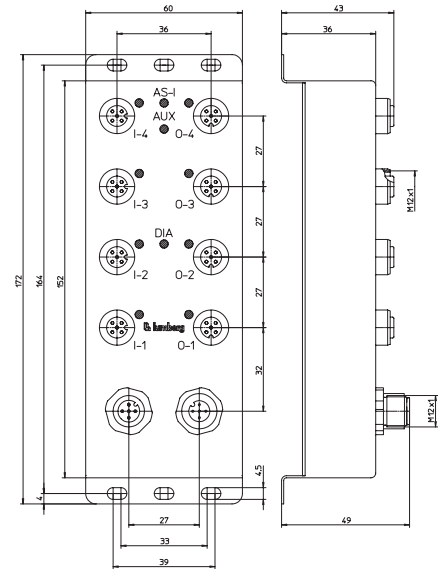


## AS-Interface Module with 4-Digital Inputs and 4-Digital Outputs

### 4 IN / 4 OUT

AS-Interface module with housing and receptacle shells in stainless steel, 4 digital inputs to connect standard sensors and 4 digital outputs (2 A) to connect standard actuators, M12 bus connection.

– especially designed for food and beverage equipment –



### 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

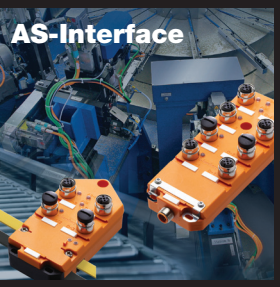
### Diagnostic Indication

LED	Indication	Condition
O-1..4 / O-4..4	yellow	channel status
AS-i	green	AS-Interface power supply active
AUX	green	actuator supply active
	red	communication error
DIA	red flashing	periphery error (actuator short circuit/sensor supply error)

### Pin Assignments

Bus connection M12	Input 1 M12	Input 2 M12	Input 3 M12	Input 4 M12
<p>1 = AS-Interface + 2 = 0 V AUX 3 = AS-Interface - 4 = +24 V AUX 5 = earth</p>	<p>1 = +24 V 2 = IN 2 3 = GND (0 V) 4 = IN 1 5 = earth</p>	<p>1 = +24 V 2 = n.c. 3 = GND (0 V) 4 = IN 2 5 = earth</p>	<p>1 = +24 V 2 = n.c. 3 = GND (0 V) 4 = IN 3 5 = earth</p>	<p>1 = +24 V 2 = n.c. 3 = GND (0 V) 4 = IN 4 5 = earth</p>
Output 1 M12	Output 2 M12	Output 3 M12	Output 4 M12	
<p>1 = n.c. 2 = n.c. 3 = GND (0 V) 4 = OUT 1 5 = earth</p>	<p>1 = n.c. 2 = n.c. 3 = GND (0 V) 4 = OUT 2 5 = earth</p>	<p>1 = n.c. 2 = n.c. 3 = GND (0 V) 4 = OUT 3 5 = earth</p>	<p>1 = n.c. 2 = n.c. 3 = GND (0 V) 4 = OUT 4 5 = earth</p>	

The connection to earth for the outputs is implemented via the earthing contacts at the fastening holes.



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 69K
Operating temperature range	-25°C (-13°F) to +80°C (+176°F)
Weight	550 g
Housing material	stainless steel

#### 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)	E hex
Support A/B addressing	F hex
	no

#### 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 > 10 V / Is > 4.7 mA
Input current at 24 V	Is < 1.5 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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#### Included in delivery / Accessories

Dust covers M12	4 pieces
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### Part Number

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