



0910 ASL 408

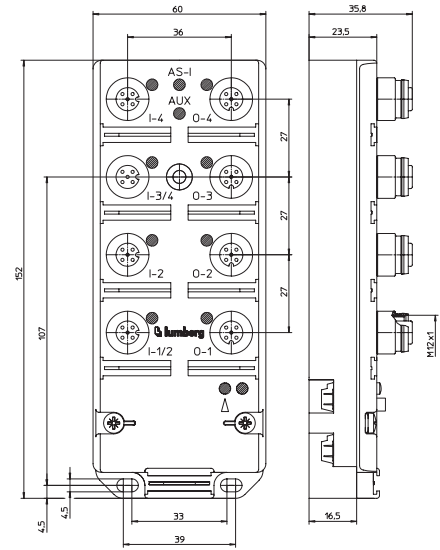


## AS-Interface Module with 4-Digital Inputs and 4-Digital Outputs

### 4 IN / 4 OUT

AS-Interface flat cable module with 4 digital inputs to connect standard sensors and 4 digital outputs to connect standard actuators, combined M12 socket, infrared interface for the addressing.

- Version 2.1 -











### Bit Assignment

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

### Diagnostic Indication

| LED             | Indication   | Condition                                |
|-----------------|--------------|--|
| O-1..4 / O-3..4 | yellow       | channel status                           |
| AS-i            | green        | AS-Interface power supply active         |
| AUX             | green        | actuator supply active                   |
| FID             | red          | communication error                      |
|                 | red flashing | periphery error (actuator short circuit) |

### Pin Assignments

| Input 1 M12   | Input 2 M12   | Input 3 M12   | Input 4 M12   |
|---|---|---|---|
|  1 = +24 V<br>2 = IN 2<br>3 = GND (0 V)<br>4 = IN 1<br>5 = earth |  1 = +24 V<br>2 = n.c.<br>3 = GND (0 V)<br>4 = IN 2<br>5 = earth |  1 = +24 V<br>2 = IN 4<br>3 = GND (0 V)<br>4 = IN 3<br>5 = earth |  1 = +24 V<br>2 = n.c.<br>3 = GND (0 V)<br>4 = IN 4<br>5 = earth |
| Output 1 M12  | Output 2 M12  | Output 3 M12  | Output 4 M12  |
|  1 = n.c.<br>2 = n.c.<br>3 = GND (0 V)<br>4 = OUT 1<br>5 = earth |  1 = n.c.<br>2 = n.c.<br>3 = GND (0 V)<br>4 = OUT 2<br>5 = earth |  1 = n.c.<br>2 = n.c.<br>3 = GND (0 V)<br>4 = OUT 3<br>5 = earth |  1 = n.c.<br>2 = n.c.<br>3 = GND (0 V)<br>4 = OUT 4<br>5 = earth |

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



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

0910 ASL 408

### Technical Data

#### Environmental

|                             |                                 |
|-----------------------------|---------------------------------|
| Degree of protection        | IP 67                           |
| Operating temperature range | -25°C (-13°F) to +80°C (+176°F) |
| Weight                      | 300 g                           |
| Housing material            | PUR                             |

#### Bus system

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

#### Electronics power supply

|                             |   |
|-----------------------------|---|
| Rated voltage               | <b>AS-Interface</b><br>AS-Interface net |
| Voltage range               | 26.5–31.6 V DC                          |
| Power consumption           | max. 250 mA                             |
| Reverse polarity protection | yes                                     |
| Indication                  | 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><br>24 V DC |
| Signal state “1”           | Us > 11 V / Is > 6 mA                        |
| Signal state “0”           | Is < 2 mA                                    |
| Input current at 24 V      | 15 mA  |
| Input circuit              | p-switching                                  |
| Number of digital channels | 4  |
| Channel status indicator   | LED yellow per channel                       |

#### Output power supply

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

#### Outputs

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

#### Diagnostic

|            |         |
|------------|---------|
| Indication | LED red |
|------------|---------|

#### Included in delivery / Accessories

|                  |           |
|------------------|-----------|
| Dust covers M12  | 2 pieces  |
| Attachable label | 10 pieces |

#### Note

The input channels are connected together. That allows a greater connection flexibility (see pin assignment). In case of connection of a two-channel sensor to input socket 1 or 3 a further sensor must not be plugged to input socket 2 or 4 respectively due to the Y wiring of the inputs.

### Part Number

0910 ASL 408



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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [I/O Modules](#) category:*

*Click to view products by [Lumberg](#) manufacturer:*

Other Similar products are found below :

[70L-OAC-L](#) [G21960000700](#) [G34960002700](#) [G88104401](#) [IDC-5B](#) [OACU](#) [C4SWOUT](#) [FC6A-T32K3](#) [SNAP-OAC5MA](#) [FC6A-N16B3](#)  
[FC6A-N32B3](#) [FC6A-T16P3](#) [G3TAOD201SDC24](#) [PB32HQ](#) [PB16T](#) [PB8](#) [PB8H](#) [C200H-OD211](#) [GT1-AD04CST](#) [GT1-DA04](#) [70GRCQ24-](#)  
[HS](#) [M-OAC5](#) [G4OAC24AMA](#) [2736505](#) [6202](#) [6402](#) [IL MOD BK DI8 DO4-PAC](#) [FC6A-J2C1](#) [FC6A-KC1C](#) [FC6A-N08A11](#) [FC6A-M24BR1](#)  
[FC6A-K4A1](#) [FC6A-T32P3](#) [9-1393028-2](#) [GP32900003700](#) [641-480-5022](#) [PB16H](#) [WISE-4050/LAN-B](#) [WISE-S614T-A](#) [ADAM-4068-C](#)  
[56475](#) [ADAM-4017+-F](#) [ADAM-4118-C](#) [AMAX-4856-B](#) [WISE-4050-B](#) [ADAM-4051-C](#) [ADAM-4053-F](#) [GT1-AD08MX](#) [TM5SDO6TBFS](#)  
[70Q3446](#)