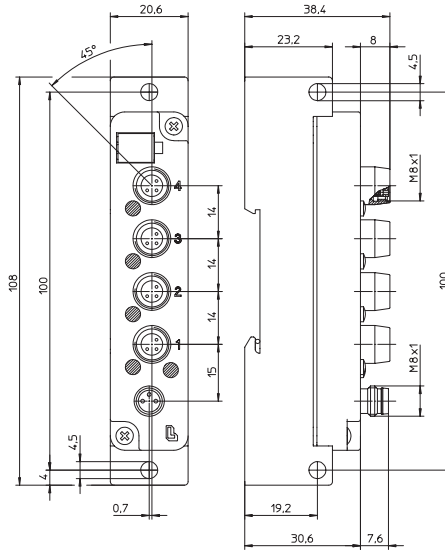


**0910 ASL 501**

**Version 2.1 – 4 In**

AS-Interface-Modul mit 4 digitalen Eingängen zum Anschluss von M8-Standard-Sensoren, M8-Busanschluss

AS-Interface module with 4 digital inputs to connect M8 standard sensors, M8 bus connection




| Bitbelegung<br>Bit assignment |   |   |   |   |     |     |     |     |
|-------------------------------|---|---|---|---|-----|-----|-----|-----|
| Bit                           | - | - | - | - | 3   | 2   | 1   | 0   |
| <b>M12 Input</b>              |   |   |   |   |     |     |     |     |
| Byte 0                        | - | - | - | - | I-4 | I-3 | I-2 | I-1 |

| Diagnoseanzeige<br>Diagnostic indication |                              |  |
|--|------------------------------|--|
| LED                                      | Anzeige<br>Indication        | Bedingung<br>Condition   |
| 1..4                                     | gelb<br>yellow               | Kanalstatus<br>channel status  |
|  | grün<br>green                | Slave nimmt im Datenverkehr teil<br>slave is involved in data transfer   |
|  | rot<br>red                   | Kommunikationsfehler, kein Datenverkehr (z.B. Slaveadresse 0)<br>communications error, no data transfer (e.g. slave address 0)             |
|  | rot blinkend<br>red blinking | Peripheriefehler (z.B. Sensorversorgung überlastet bzw. kurzgeschlossen)<br>periphery error (e.g. sensor supply overload or short circuit) |
| AS-i-Dia                                 |                              |  |


**Pinbelegung  
Pin assignment**

**Busanschluss M8  
Bus connection M8**



1 = AS-Interface +  
3 = AS-Interface -  
4 = n.c.

**Eingang M8  
Input M8**



1 = +24 V  
4 = GND (0 V)  
3 = IN

### Technische Daten

|                     |               |
|---------------------|---------------|
| Schutzart           | IP 67         |
| Umgebungstemperatur | -15°C / +60°C |
| Gewicht             | 100 g         |
| Gehäusematerial     | PUR           |

### Bus-System

#### AS-Interface Version 2.1

|                                |         |
|--------------------------------|---------|
| AS-Interface-Profil            | S 0.A.E |
| E/A-Konfiguration              | 0 hex   |
| ID-Code                        | A hex   |
| ID2-Code (erweiterter ID-Code) | E hex   |
| Unterstützung A/B-Adressierung | ja      |

### Elektronik-Stromversorgung

#### AS-Interface

|                  |                   |
|------------------|-------------------|
| Nennspannung     | AS-Interface-Netz |
| Spannungsbereich | 26,5–31,6 V DC    |
| Stromaufnahme    | max. 120 mA       |
| Verpolschutz     | ja                |
| Anzeige          | LED grün          |

### Sensorik-Stromversorgung

|                                      |             |
|--------------------------------------|-------------|
| Spannungsbereich (AS-Interface-Netz) | 17–30 V     |
| Gesamtstrom aller Sensoren           | max. 100 mA |
| Kurzschlussfest                      | ja          |

### Eingänge

#### Typ 2 gem. IEC 61131-2

|                             |   |
|-----------------------------|---|
| Nenneingangsspannung        | 24 V DC                                   |
| Signalzustand "1"           | $U_s > 11 \text{ V} / I_s > 6 \text{ mA}$ |
| Signalzustand "0"           | $I_s < 2 \text{ mA}$                      |
| Eingangsstrom bei 24 V      | 15 mA                                     |
| Eingangsbeschaltung         | p-schaltend                               |
| Anzahl der digitalen Kanäle | 4   |
| Statusanzeige               | LED gelb pro Kanal                        |

### Diagnose

|         |         |
|---------|---------|
| Anzeige | LED rot |
|---------|---------|

### Anschluss über Verbindungsleitung

|         |   |
|---------|---|
| M8 / M8 | z.B. RSMV-RKMV<br>(siehe Produktgruppe<br>Verbindungsleitungen) |
|---------|---|

### Lieferumfang / Zubehör

|                     |         |
|---------------------|---------|
| M8-Schutzkappen     | 2 Stück |
| Beschriftungsschild | 1 Stück |

### Technical data

|                             |               |
|-----------------------------|---------------|
| Degree of protection        | IP 67         |
| Operating temperature range | -15°C / +60°C |
| Weight                      | 100 g         |
| Housing material            | PUR           |

### Bus system

#### AS-Interface Version 2.1

|                             |         |
|-----------------------------|---------|
| AS-Interface profile        | S 0.A.E |
| I/O configuration           | 0 hex   |
| ID code                     | A hex   |
| ID2 code (extended ID-code) | E hex   |
| Support A/B addressing      | yes     |

### Electronics power supply

#### AS-Interface

|                             |                  |
|-----------------------------|------------------|
| Rated voltage               | AS-Interface net |
| Voltage range               | 26.5–31.6 V DC   |
| Power consumption           | max. 120 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. 100 mA |
| Short circuit-proof              | yes         |

### Inputs

#### Type 2 acc. to IEC 61131-2

|                            |   |
|----------------------------|---|
| Rated input voltage        | 24 V DC                                   |
| Signal state "1"           | $U_s > 11 \text{ V} / I_s > 6 \text{ mA}$ |
| Signal state "0"           | $I_s < 2 \text{ mA}$                      |
| Input current at 24 V      | 15 mA                                     |
| Input circuit              | p-switching                               |
| Number of digital channels | 4   |
| Channel status indicator   | LED yellow per channel                    |

### Diagnostic

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

### Connection via cordset, double-ended

|         |  |
|---------|--|
| M8 / M8 | e.g. RSMV-RKMV<br>(please see product group<br>cordsets, double-ended) |
|---------|--|

### Included in delivery / Accessories

|                  |          |
|------------------|----------|
| Dust covers M8   | 2 pieces |
| Attachable label | 1 piece  |

### Bestellbezeichnung Designation

0910 ASL 501

