

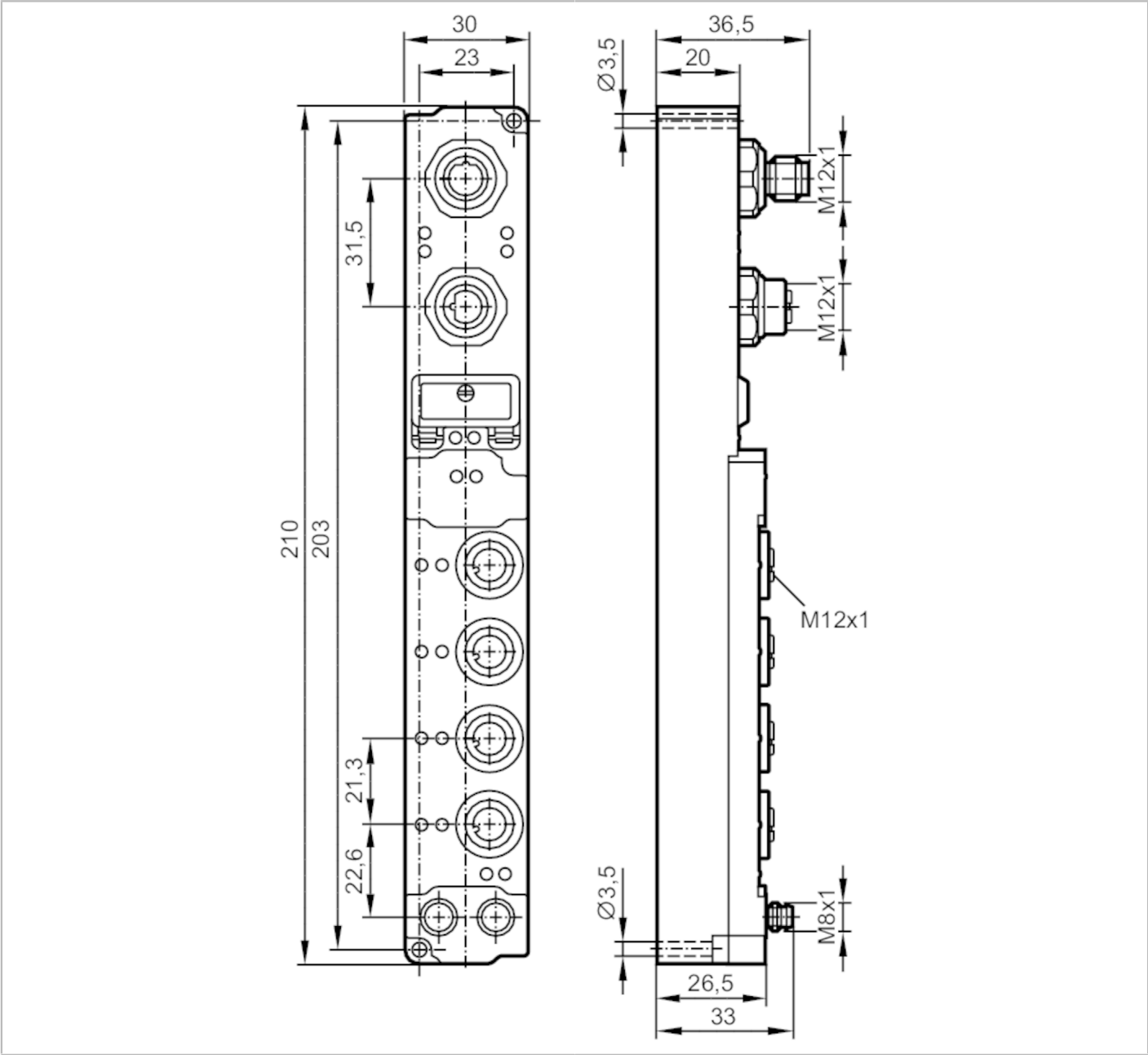
# AC2638



## I/O module for field applications

FieldModuleDP 4AI (V) M12

Article to be discontinued



| Electrical data              |      |                            |
|------------------------------|------|----------------------------|
| Operating voltage            | [V]  | 20...29 DC                 |
| Current consumption          | [mA] | < 140                      |
| Electrical separation        |      | no                         |
| Inputs / outputs             |      |                            |
| Number of inputs and outputs |      | Number of analog inputs: 4 |
| Inputs                       |      |                            |
| Sensor supply of the inputs  |      | from load voltage          |

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## I/O module for field applications

FieldModuleDP 4AI (V) M12

|                            |        |
|----------------------------|--------|
| Number of analog inputs    | 4      |
| Analog input (voltage) [V] | 10...0 |

### Accuracy / deviations

|                                           |         |
|-------------------------------------------|---------|
| Measuring error<br>[% of the final value] | < ± 0,3 |
|-------------------------------------------|---------|

### Interfaces

#### PROFIBUS

|                   |                    |
|-------------------|--------------------|
| Transmission rate | 9,6...12000 kBit/s |
|-------------------|--------------------|

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | 0...55   |
| Storage temperature [°C] | -25...85 |
| Protection               | IP 67    |

### Tests / approvals

|                      |            |                                |
|----------------------|------------|--------------------------------|
| EMC                  | EN 50081-2 |                                |
|                      | EN 50082-2 |                                |
| Vibration resistance | IEC 68     | parts 2-6 / IEC 68, parts 2-27 |

### Mechanical data

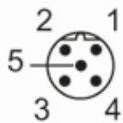
|            |                                                                      |
|------------|----------------------------------------------------------------------|
| Weight [g] | 300                                                                  |
| Material   | housing: PA 6; potting compound: PU; contact pins: brass gold-plated |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - PROFIBUS

Connector: M12; coding: B



|   |                         |
|---|-------------------------|
|   | plug M12 PROFIBUS In    |
| 1 | not used                |
| 2 | line A                  |
| 3 | GND                     |
| 4 | line B                  |
| 5 | screen                  |
|   | Socket M12 PROFIBUS Out |
| 1 | 5 V DC                  |
| 2 | line A                  |
| 3 | GND                     |
| 4 | line B                  |
| 5 | screen                  |

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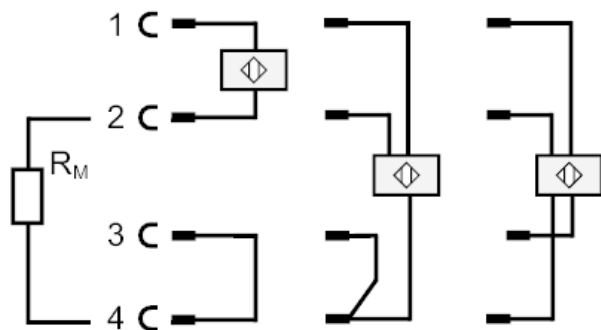
FieldModuleDP 4AI (V) M12

### Electrical connection - Process connection

Connector: M12; coding: A



### Connection



|   | Socket M12 Inputs |
|---|-------------------|
| 1 | Sensor supply UL  |
| 2 | Input +           |
| 3 | GND               |
| 4 | Input -           |
| 5 | screen            |

### Electrical connection - voltage supply

Connector: M8; coding: A



|   | plug M8    |
|---|------------|
| 1 | 24 V DC UB |
| 2 | 24 V DC UL |
| 3 | GND        |
| 4 | GND        |
|   | Socket M8  |
| 1 | 24 V DC UB |
| 2 | 24 V DC UL |
| 3 | GND        |
| 4 | GND        |