

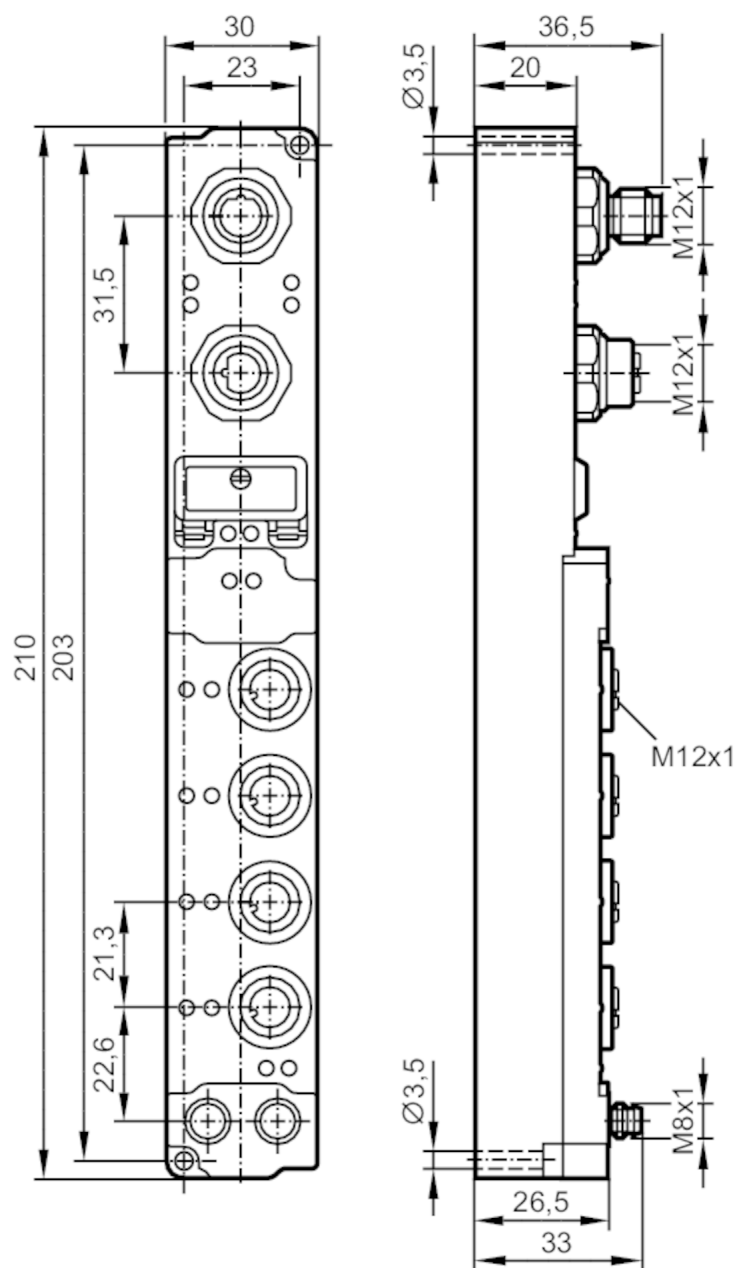
# AC2630

## I/O module for field applications

FieldModuleDP 4x2DI M12



phase-out article



### Electrical data

|                       |      |            |
|-----------------------|------|------------|
| Operating voltage     | [V]  | 20...29 DC |
| Current consumption   | [mA] | < 85       |
| Electrical separation |      | no         |

### Inputs / outputs

|                              |                             |
|------------------------------|-----------------------------|
| Number of inputs and outputs | Number of digital inputs: 8 |
|------------------------------|-----------------------------|

### Inputs

|                          |   |
|--------------------------|---|
| Number of digital inputs | 8 |
|--------------------------|---|



## I/O module for field applications

FieldModuleDP 4x2DI M12

|                                                 |      |         |
|-------------------------------------------------|------|---------|
| Power supply                                    | [V]  | 20...29 |
| Max. total current rating of inputs             | [mA] | 500     |
| Switching level high                            | [V]  | 11...30 |
| Switching level low                             | [V]  | -3...5  |
| Digital inputs protected against short circuits |      | yes     |

## 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

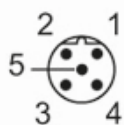
|           |                                                                      |       |
|-----------|----------------------------------------------------------------------|-------|
| Weight    | [g]                                                                  | 296.5 |
| Materials | housing: 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 | wire A                  |
| 3 | GND                     |
| 4 | wire B                  |
| 5 | Screen                  |
|   | socket M12 PROFIBUS Out |
| 1 | 5 V DC                  |
| 2 | wire A                  |
| 3 | GND                     |
| 4 | wire B                  |
| 5 | Screen                  |

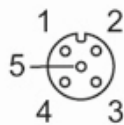


I/O module for field applications

FieldModuleDP 4x2DI M12

Electrical connection - Process connection

Connector: M12; coding: A



|     |                 |
|-----|-----------------|
|     | socket M12      |
| 1   | Sensor supply + |
| 2+4 | data input      |
| 3   | Sensor supply - |
| 5   | not used        |

Electrical connection - power 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        |