

## CUBE67+ I/O EXTENSION MODULE

12 multif. channels + 4 IO-Link master V1.0

Expansion module

DIO12 IOL4 (E) - 8× M12

IO-Link Master V1.0

Digital inputs/outputs (multifunctional)

Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

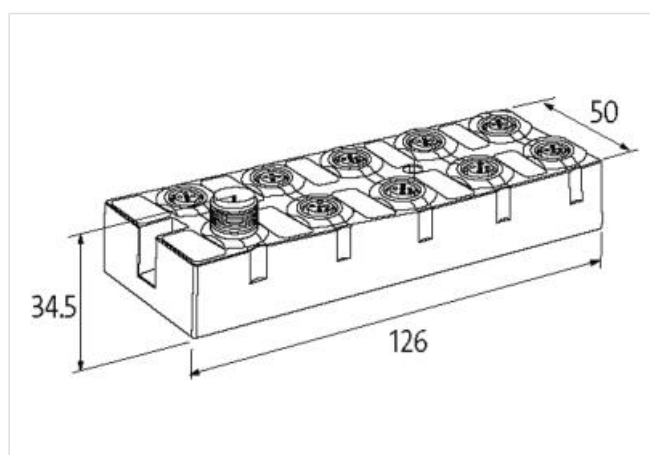
Cube67+ modules can only be operated on Cube67+, EtherNet/IP, PROFIBUS + PROFINET bus nodes.

### [Link to Product](#)

#### Illustration



Product may differ from Image



#### General product information

Compatible with: 56521; 56526

#### Commercial data

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27242604      |
| ECLASS-7.0            | 27242604      |
| ECLASS-8.0            | 27242604      |
| ECLASS-9.0            | 27242604      |
| ETIM-5.0              | EC001601      |
| customs tariff number | 85389099      |
| GTIN                  | 4048879326766 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                          |            |
|--------------------------|------------|
| Norm operating voltage   | EN 61131-2 |
| Operating voltage US DC  | 24 V       |
| Operating voltage UA DC  | 24 V       |
| Current consumption max. | 100 mA     |
| Total current UA max.    | 4 A        |
| Total current US max.    | 4 A        |

**Electrical data | Input**

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| Type input                              | PNP, for 3-wire sensors or mechanical switches |
| Input filter time                       | 1 ms                                           |
| Sensor current US per input max.        | 0,2 A                                          |
| Sensor current US per IO-Link port max. | 0,7 A                                          |

**Electrical data | Output**

|                             |       |
|-----------------------------|-------|
| Overload resistant          | yes   |
| Short-circuit protected     | yes   |
| Output current per pin max. | 1,6 A |
| Lamp load                   | 30 W  |

**Industrial communication | IO-Link**

|                                    |                  |
|------------------------------------|------------------|
| Automatic baudrate detection       | yes              |
| IO-Link process data length output | 32 Bytes         |
| IO-Link process data length input  | 32 Bytes         |
| IO-Link revision ID                | V1.0             |
| IO-Link type                       | 4x Master        |
| IO-Link transmission rate          | COM1, COM2, COM3 |
| Port Class                         | A, B             |

**Diagnostics**

|                         |                                  |
|-------------------------|----------------------------------|
| Actuator warning        | per channel via LED and BUS      |
| Diagnostic via BUS      | per module and channel           |
| Diagnostic via LED      | per module and channel           |
| IO-Link events          | No voltage, Undervoltage supply  |
| Short circuit diagnosis | yes                              |
| LED display             | Ethernet connection/data traffic |
| Overload diagnosis      | yes                              |

**Device protection | Electrical**

|                                     |      |
|-------------------------------------|------|
| Degree of protection (EN IEC 60529) | IP67 |
|-------------------------------------|------|

**Mechanical data | Mounting data**

|                            |                       |
|----------------------------|-----------------------|
| Suitable for mounting type | 2-hole screw mounting |
| Height                     | 126 mm                |
| Width                      | 30 mm                 |
| Depth                      | 34,5 mm               |

**Environmental characteristics | Climatic**

|                            |        |
|----------------------------|--------|
| Operating temperature min. | 0 °C   |
| Operating temperature max. | 55 °C  |
| Storage temperature min.   | -20 °C |
| Storage temperature max.   | 75 °C  |

**Connection type 4**

|                          |               |
|--------------------------|---------------|
| Connection type 1        | Bus In        |
| Connection type 2        | Bus Out       |
| Connection type 3        | DIO           |
| Connection type 4        | DIO / IO-Link |
| Family construction form | M12           |
| Gender                   | male          |
| Color contact carrier    | black         |
| Coding                   | A             |
| No. of poles             | 6             |
| PIN 1                    | 24 V DC (UA)  |
| PIN 2                    | 24 V DC (US)  |
| PIN 3                    | 0 V           |

|                          |                |
|--------------------------|----------------|
| PIN 4                    | Bus internal   |
| PIN 5                    | Bus internal   |
| PIN 6                    | 0 V            |
| Family construction form | M12            |
| Gender                   | female         |
| Color contact carrier    | black          |
| Coding                   | A              |
| No. of poles             | 6              |
| PIN 1                    | 24 V DC (UA)   |
| PIN 2                    | 24 V DC (US)   |
| PIN 3                    | 0 V            |
| PIN 4                    | Bus internal   |
| PIN 5                    | Bus internal   |
| PIN 6                    | 0 V            |
| Family construction form | M12            |
| Gender                   | female         |
| Color contact carrier    | black          |
| Coding                   | A              |
| No. of poles             | 5              |
| PIN 1                    | 24 V DC (US)   |
| PIN 2                    | DI / DO / Diag |
| PIN 3                    | 0 V            |
| PIN 4                    | DI / DO        |
| PIN 5                    | PE             |
| Family construction form | M12            |
| Gender                   | female         |
| Color contact carrier    | black          |
| Coding                   | A              |
| No. of poles             | 5              |
| PIN 1                    | 24 V DC (US)   |
| PIN 2                    | DI / DO / Diag |
| PIN 3                    | 0 V            |
| PIN 4                    | IO-Link        |
| PIN 5                    | 0 V            |