

CUBE67+ Hygienic Design I/O EXTENSION MODULE

12 multif. channels + 4 IO-Link master V1.1

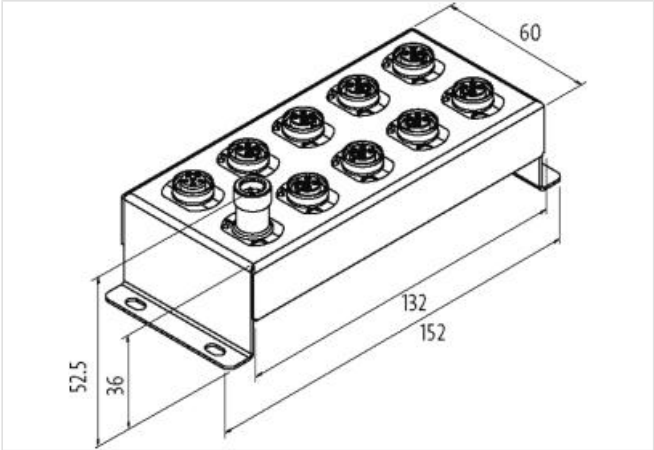
Expansion module
Connection cables are in the online shop under "Connection Technology".
DIO12 IOL4 (E) - 8× M12
IO-Link Master V1.1.2
Digital inputs/outputs (multifunctional)
Hygienic Design
Stainless steel, polished
Cube67+ modules can only be operated on Cube67+, EtherNet/IP, PROFIBUS + PROFINET bus nodes.
Housing fully potted.
Connection cable: F&B, F&B Pro, Steel

Link to Product

Illustration



Product may differ from Image





General product information

Compatible with: 56521; 56526; 56535

Commercial data

| | |
|-----------------------|---------------|
| ECLASS-6.0 | 27242604 |
| ECLASS-6.1 | 27242604 |
| ECLASS-7.0 | 27242604 |
| ECLASS-8.0 | 27242604 |
| ECLASS-9.0 | 27242604 |
| ECLASS-10.1 | 27242604 |
| ECLASS-11.1 | 27242604 |
| ECLASS-12.0 | 27242604 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85389099 |
| GTIN | 4048879697316 |
| 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

| | |
|------------------------------------|------------------|
| IO-Link type | 4× Master |
| Port Class | A, B |
| IO-Link revision ID | V1.1.2 |
| IO-Link transmission rate | COM1, COM2, COM3 |
| IO-Link process data length input | 32 Bytes |
| IO-Link process data length output | 32 Bytes |
| Automatic baudrate detection | yes |

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 (ISO 20653:2013) | IP69K |
|---------------------------------------|-------|

Mechanical data | Mounting data

| | |
|----------------------------|-----------------------|
| Suitable for mounting type | 4 hole screw mounting |
| Height | 54 mm |
| Width | 60 mm |
| Depth | 152 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 |
| 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 | gray |
| 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 |
| Family construction form | M12 |
| Gender | male |
| Color contact carrier | black |
| Coding | A |
| No. of poles | 5 |
| PIN 1 | 24 V DC (US) |
| PIN 2 | DI / DO 0.x |
| PIN 3 | 0 V |
| PIN 4 | DI / DO 1.x |
| PIN 5 | PE |