

Cube67 I/O Cable-Module, I/O Extension Module

DIO16, Open-End, 0,5m

Expansion module  
DIO16 - 0.5 A (E) 0.5 m (open cable)  
With open ended wires  
Digital inputs/outputs (multifunctional)  
Connection cables are in the online shop under "Connection Technology".  
Housing fully potted.

Link to Product

Illustration



Product may differ from Image



| 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                 | EC001599      |
| customs tariff number    | 85444290      |
| GTIN                     | 4048879048330 |
| 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. | 30 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                                           |
| Current carrying capacity max. | 0,5 A                                          |

**Electrical data | Output**

|                             |       |
|-----------------------------|-------|
| Overload resistant          | yes   |
| Short-circuit protected     | yes   |
| Output current per pin max. | 0,5 A |

**Industrial communication**

|                               |                                |
|-------------------------------|--------------------------------|
| Parameterization I/O channels | Diagnoseeingang, Input, Output |
|-------------------------------|--------------------------------|

**Diagnostics**

|                         |                                  |
|-------------------------|----------------------------------|
| Actuator warning        | per channel via BUS              |
| Diagnostic              | No voltage, Under voltage        |
| Diagnostic via BUS      | per module and channel           |
| Diagnostic via LED      | per module                       |
| 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                     | 150 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 3**

|                          |              |
|--------------------------|--------------|
| Connection type 1        | Bus In       |
| Connection type 2        | Bus Out      |
| Connection type 3        | Data         |
| 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 | free cable end |
| Color contact carrier    | gray           |
| No. of poles             | 20             |
| PIN 1                    | In / Out 1     |
| PIN 2                    | In / Out 2     |
| PIN 3                    | In / Out 3     |
| PIN 4                    | In / Out 4     |
| PIN 5                    | In / Out 5     |
| PIN 6                    | In / Out 6     |
| PIN 7                    | In / Out 7     |
| PIN 8                    | In / Out 8     |
| PIN 9                    | In / Out 9     |
| PIN 10                   | In / Out 10    |
| PIN 11                   | In / Out 11    |
| PIN 12                   | In / Out 12    |
| PIN 13                   | In / Out 13    |
| PIN 14                   | In / Out 14    |
| PIN 15                   | In / Out 15    |
| PIN 16                   | In / Out 16    |
| PIN 17                   | 0 V            |
| PIN 18                   | 0 V            |
| PIN 19                   | 0 V            |
| PIN 20                   | 24 V DC Sens   |