

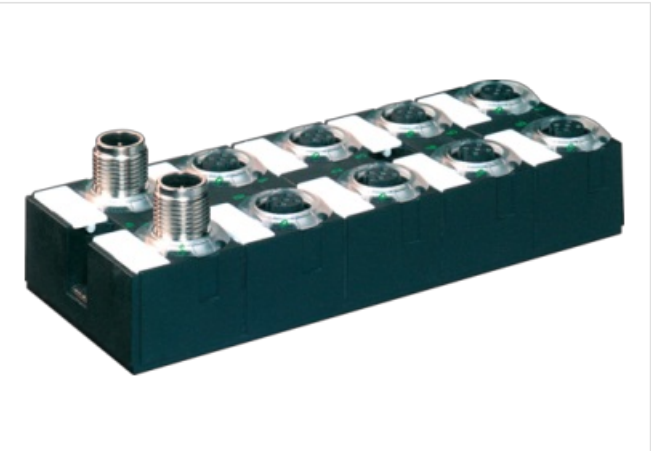
CUBE67 I/O COMPACT MODULE

16 multifunction channels

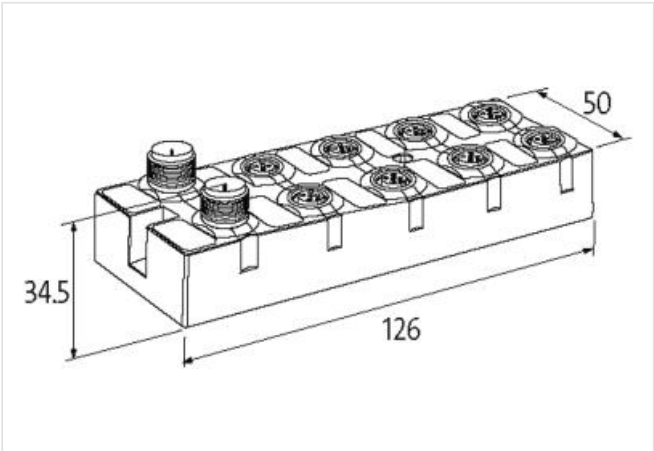
Compact module  
DIO16 - 0.5 A (C) - 8× M12  
short-circuit and overload protected  
Connection cables are in the online shop under "Connection Technology".  
Housing fully potted.

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    | 85389099      |
| GTIN                     | 4048879048606 |
| Packaging unit           | 1             |
| Electrical data          |               |
| Terminating resistor     | integrated    |
| Electrical data   Supply |               |
| Norm operating voltage   | EN 61131-2    |
| Operating voltage US DC  | 24 V          |
| Operating voltage UA DC  | 24 V          |
| Current consumption max. | 50 mA         |

|                               |     |
|-------------------------------|-----|
| Total current UA max.         | 4 A |
| Total current UA PowerIN max. | 4 A |
| Total current US max.         | 4 A |

**Electrical data | Input**

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Overload resistant               | yes                                            |
| Short-circuit protected          | yes                                            |
| Type input                       | PNP, for 3-wire sensors or mechanical switches |
| Input filter time                | 1 ms                                           |
| Sensor current US per input max. | 0,2 A                                          |

**Electrical data | Output**

|                             |       |
|-----------------------------|-------|
| Overload resistant          | yes   |
| Short-circuit protected     | yes   |
| Output current per pin max. | 0,5 A |
| Lamp load                   | 10 W  |

**Diagnostics**

|                         |                                  |
|-------------------------|----------------------------------|
| Actuator warning        | per channel via LED and BUS      |
| Diagnostic              | No voltage, Under voltage        |
| Diagnostic via BUS      | per module and channel           |
| Diagnostic via LED      | per module and channel           |
| 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                      | 50 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        | 0-7            |
| Connection type 2        | Bus In         |
| Connection type 3        | Bus Out        |
| 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                   | 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 6                    | 0 V          |