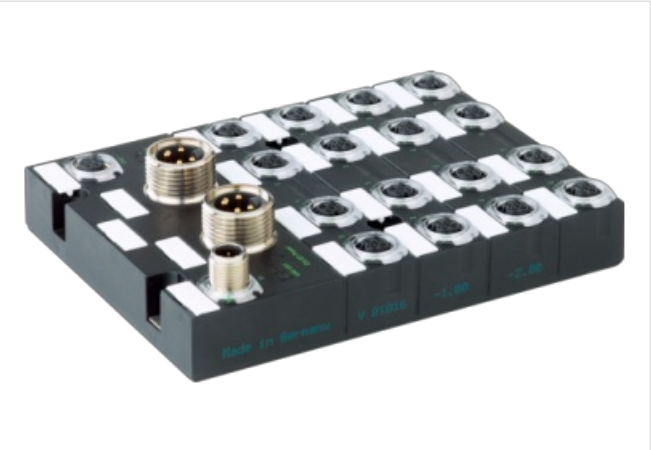


CUBE67 DIO16 DO16 E 16XM12 (1,6/2A)

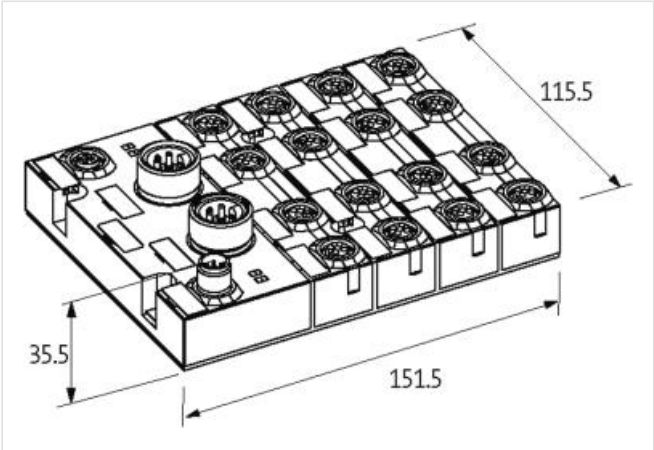
Expansion module  
DIO16 - 1.6 A DO16 - 2 A (E) - 16× M12  
Digital inputs/outputs (multifunctional)  
Connection cables are in the online shop under "Connection Technology".  
Housing fully potted.

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    | 85389099      |
| GTIN                     | 4048879048422 |
| Packaging unit           | 1             |
| Electrical data   Supply |               |
| Operating voltage DC     | 24 V          |
| Operating voltage US DC  | 24 V          |
| Current consumption max. | 50 mA         |
| Total current UA 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                                          |
| <b>Electrical data   Output</b>                 |                                                |
| Current actuator side 1 max.                    | 1,6 A                                          |
| Current actuator side 2 max.                    | 2 A                                            |
| Factor coincidence per output                   | 50 %                                           |
| Load lamp side 1 max.                           | 30 W                                           |
| Load lamp side 2 max.                           | 40 W                                           |
| <b>Diagnostics</b>                              |                                                |
| 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                                            |
| <b>Device protection   Electrical</b>           |                                                |
| Degree of protection (EN IEC 60529)             | IP67                                           |
| Overload resistant                              | yes                                            |
| <b>Mechanical data   Mounting data</b>          |                                                |
| Suitable for mounting type                      | 4 hole screw mounting                          |
| Height                                          | 151,5 mm                                       |
| Width                                           | 115,5 mm                                       |
| Depth                                           | 35,5 mm                                        |
| <b>Environmental characteristics   Climatic</b> |                                                |
| Operating temperature min.                      | 0 °C                                           |
| Operating temperature max.                      | 55 °C                                          |
| Storage temperature min.                        | -20 °C                                         |
| Storage temperature max.                        | 75 °C                                          |
| <b>Conformity</b>                               |                                                |
| Product standard                                | EN 61131-2                                     |
| <b>Connection type 6</b>                        |                                                |
| Connection type 1                               | 0-7                                            |
| Connection type 2                               | 0-7                                            |
| Connection type 3                               | Bus In                                         |
| Connection type 4                               | Bus Out                                        |
| Connection type 5                               | Power In (UA 0) (UA 1)                         |
| Connection type 6                               | Power In (UA 2) (UA 3)                         |
| 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                    | n.c.           |
| PIN 2                    | DO             |
| PIN 3                    | 0 V            |
| PIN 4                    | 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 2                    | 24 V DC (US)   |
| PIN 3                    | 0 V            |
| PIN 4                    | Bus internal   |
| PIN 5                    | Bus internal   |
| PIN 6                    | 0 V            |
| Family construction form | 7/8"           |
| Gender                   | male           |
| Color contact carrier    | black          |
| No. of poles             | 5              |
| PIN 1                    | 0 V            |
| PIN 2                    | 0 V            |
| PIN 3                    | PE             |
| PIN 4                    | 24 V DC (UA 0) |
| PIN 5                    | 24 V DC (UA 1) |
| Family construction form | 7/8"           |
| Gender                   | male           |
| Color contact carrier    | black          |
| No. of poles             | 5              |
| PIN 1                    | 0 V            |
| PIN 2                    | 0 V            |
| PIN 3                    | PE             |
| PIN 4                    | 24 V DC (UA 2) |
| PIN 5                    | 24 V DC (UA 3) |