

CUBE20 SYSTEM INTERFACE TO CUBE67

8 multifunction channels, Power external

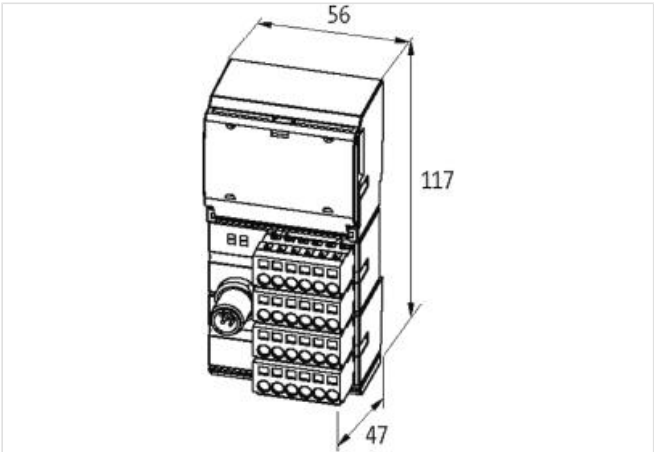
System connection  
Power external  
DIO8 - (BN) Cube67/20  
Connection cables are in the online shop under "Connection Technology".

Link to Product

Illustration



Product may differ from Image



| Commercial data          |               |
|--------------------------|---------------|
| ECLASS-6.0               | 27061801      |
| ECLASS-6.1               | 27242608      |
| ECLASS-7.0               | 27242608      |
| ECLASS-8.0               | 27242608      |
| ECLASS-9.0               | 27242608      |
| ECLASS-10.1              | 27242608      |
| ECLASS-11.1              | 27242608      |
| ECLASS-12.0              | 27242608      |
| ETIM-5.0                 | EC001855      |
| customs tariff number    | 85176200      |
| GTIN                     | 4048879048774 |
| Packaging unit           | 1             |
| Electrical data   Supply |               |
| Operating voltage DC     | 24 V          |
| 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.    | 12 A          |
| Electrical data   Input  |               |

|                                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| Overload resistant                              | yes                                   |
| Short-circuit protected                         | yes                                   |
| Type input                                      | PNP (EN 61131-2)                      |
| Input filter time                               | 1 ms                                  |
| Current carrying capacity max.                  | 0,7 A                                 |
| <b>Electrical data   Output</b>                 |                                       |
| Overload resistant                              | yes                                   |
| Short-circuit protected                         | yes                                   |
| Output current per pin max.                     | 0,5 A                                 |
| Lamp load                                       | 10 W                                  |
| <b>Diagnostics</b>                              |                                       |
| Diagnostic                                      | Under voltage                         |
| Diagnostic via BUS                              | per module and channel                |
| Diagnostic via LED                              | per module and channel (only outputs) |
| Short circuit diagnosis                         | yes                                   |
| LED display                                     | Ethernet connection/data traffic      |
| Overload diagnosis                              | yes                                   |
| <b>Installation</b>                             |                                       |
| Connection cross section max.                   | 2,5 mm <sup>2</sup>                   |
| <b>Installation   Pin assignment</b>            |                                       |
| Terminal row X2                                 | Input/Output                          |
| Terminal row X3                                 | Input/Output                          |
| <b>Device protection   Electrical</b>           |                                       |
| Degree of protection (EN IEC 60529)             | IP20                                  |
| Galvanic separation (operating voltage)         | yes                                   |
| Galvanic separation input/output                | yes                                   |
| <b>Mechanical data</b>                          |                                       |
| Number extension modules max.                   | 3                                     |
| <b>Mechanical data   Mounting data</b>          |                                       |
| Mounting method                                 | geschnappt                            |
| Suitable for mounting type                      | mounting rail, (EN 60715)             |
| Height                                          | 117 mm                                |
| Width                                           | 56 mm                                 |
| Depth                                           | 47 mm                                 |
| <b>Environmental characteristics   Climatic</b> |                                       |
| Operating temperature min.                      | 0 °C                                  |
| Operating temperature max.                      | 55 °C                                 |
| Storage temperature min.                        | -20 °C                                |
| Storage temperature max.                        | 85 °C                                 |
| <b>Connection type 5</b>                        |                                       |
| Connection type 1                               | Cube67 In                             |
| Connection type 2                               | X0                                    |
| Connection type 3                               | X1                                    |
| Connection type 4                               | X2                                    |
| Connection type 5                               | X2                                    |
| 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                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 6                         |
| PIN 1                    | UA                        |
| PIN 2                    | UA                        |
| PIN 3                    | UI                        |
| PIN 4                    | UI                        |
| PIN 5                    | 0 V                       |
| PIN 6                    | 0 V                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 6                         |
| PIN 1                    | FE                        |
| PIN 2                    | FE                        |
| PIN 3                    | 0 V                       |
| PIN 4                    | 0 V                       |
| PIN 5                    | 0 V                       |
| PIN 6                    | 0 V                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 6                         |
| PIN 1                    | DI 0                      |
| PIN 2                    | DI 1                      |
| PIN 3                    | DI 2                      |
| PIN 4                    | DI 3                      |
| PIN 5                    | US                        |
| PIN 6                    | US                        |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 6                         |
| PIN 1                    | DO 0                      |
| PIN 2                    | DO 1                      |
| PIN 3                    | DO 2                      |
| PIN 4                    | DO 3                      |
| PIN 5                    | 0 V                       |
| PIN 6                    | 0 V                       |