

## CUBE20 DIGITAL IN-/OUTPUT MODULE

16 digital inputs and 16 digital outputs

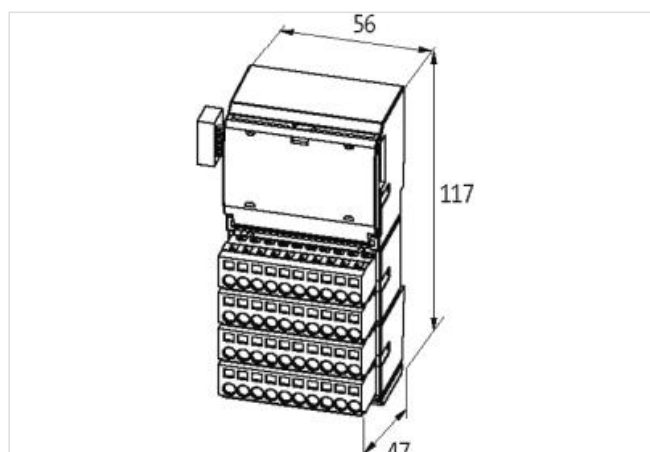
Expansion module  
Digital inputs  
Digital outputs  
DI16/DO16 - (E)

### Odkaz k produktu

#### Obrázky



Výrobok sa môže líšiť od zobrazenia



#### 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 | 85176200      |
| GTIN                  | 4048879049245 |
| 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. | 25 mA                 |
| Total current UA max.    | 12 A                  |
| module supply            | via system connection |

#### Electrical data | Input

Informácie v tomto produkte PDF boli zostavené s maximálnou starostlivosťou.  
Zodpovednosť sa obmedzuje hrubou nebanlivosťou vo vzťahu k správnosti, úplnosti a aktuálnosti. Stav: 04.05.2024

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|                                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| 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>Device protection   Electrical</b>           |                                       |
| Degree of protection (EN IEC 60529)             | IP20                                  |
| Galvanic separation (operating voltage)         | yes                                   |
| Galvanic separation input/input                 | yes                                   |
| Galvanic separation output/output               | yes                                   |
| <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 4</b>                        |                                       |
| Connection type 1                               | X0                                    |
| Connection type 2                               | X1                                    |
| Connection type 3                               | X2                                    |
| Connection type 4                               | X3                                    |
| Connection                                      | Spring clamp terminals FK             |
| Family construction form                        | terminal                              |
| Gender                                          | female                                |
| Color contact carrier                           | colorless                             |
| No. of poles                                    | 10                                    |
| PIN 1                                           | DO 0                                  |
| PIN 2                                           | DO 1                                  |
| PIN 3                                           | DO 2                                  |
| PIN 4                                           | DO 3                                  |
| PIN 5                                           | DO 4                                  |
| PIN 6                                           | DO 5                                  |
| PIN 7                                           | DO 6                                  |
| PIN 8                                           | DO 7                                  |

|                          |                           |
|--------------------------|---------------------------|
| PIN 9                    | UI                        |
| PIN 10                   | UA                        |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 10                        |
| PIN 1                    | DO 8                      |
| PIN 2                    | DO 9                      |
| PIN 3                    | DO 10                     |
| PIN 4                    | DO 11                     |
| PIN 5                    | DO 12                     |
| PIN 6                    | DO 13                     |
| PIN 7                    | DO 14                     |
| PIN 8                    | DO 15                     |
| PIN 9                    | 0 V                       |
| PIN 10                   | 0 V                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 10                        |
| PIN 1                    | DIO 0                     |
| PIN 2                    | DIO 1                     |
| PIN 3                    | DIO 2                     |
| PIN 4                    | DIO 3                     |
| PIN 5                    | DIO 4                     |
| PIN 6                    | DIO 5                     |
| PIN 7                    | DIO 6                     |
| PIN 8                    | DIO 7                     |
| PIN 9                    | US                        |
| PIN 10                   | US                        |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 10                        |
| PIN 1                    | DI 8                      |
| PIN 2                    | DI 9                      |
| PIN 3                    | DI 10                     |
| PIN 4                    | DI 11                     |
| PIN 5                    | DI 12                     |
| PIN 6                    | DI 13                     |
| PIN 7                    | DI 14                     |
| PIN 8                    | DI 15                     |
| PIN 9                    | 0 V                       |
| PIN 10                   | 0 V                       |