

CUBE20 DIGITAL INPUT MODULE

32 digital inputs

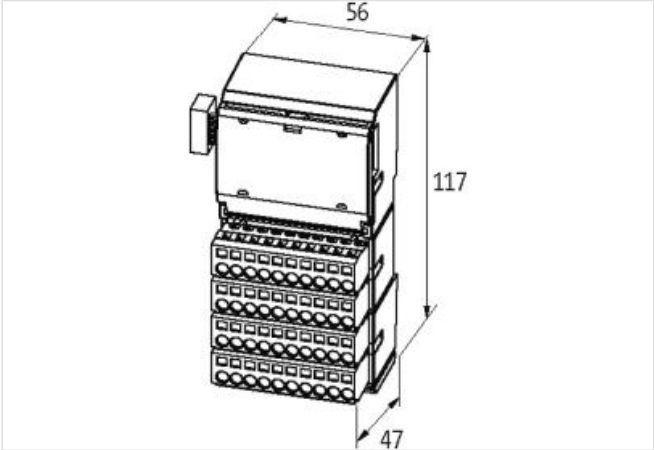
Expansion module  
DI32 - (E)

[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 | 85176200      |
| GTIN                  | 4048879049344 |
| Packaging unit        | 1             |

Electrical data | Supply

|                          |                       |
|--------------------------|-----------------------|
| Norm operating voltage   | EN 61131-2            |
| Operating voltage US DC  | 24 V                  |
| Current consumption max. | 25 mA                 |
| Total current UA max.    | 12 A                  |
| module supply            | via system connection |

Electrical data | Input

|                                |                  |
|--------------------------------|------------------|
| Type input                     | PNP (EN 61131-2) |
| Input filter time              | 1 ms             |
| Current carrying capacity max. | 0,7 A            |

| Diagnostics                              |                                  |
|------------------------------------------|----------------------------------|
| Diagnostic                               | 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                              |
| Installation                             |                                  |
| Connection cross section max.            | 2,5 mm <sup>2</sup>              |
| Device protection   Electrical           |                                  |
| Degree of protection (EN IEC 60529)      | IP20                             |
| Galvanic separation (operating voltage)  | yes                              |
| Galvanic separation input/input          | yes                              |
| Mechanical data   Mounting data          |                                  |
| Mounting method                          | geschnappt                       |
| Suitable for mounting type               | mounting rail, (EN 60715)        |
| Height                                   | 117 mm                           |
| Width                                    | 56 mm                            |
| Depth                                    | 47 mm                            |
| Environmental characteristics   Climatic |                                  |
| Operating temperature min.               | 0 °C                             |
| Operating temperature max.               | 55 °C                            |
| Storage temperature min.                 | -20 °C                           |
| Storage temperature max.                 | 85 °C                            |
| Connection type 4                        |                                  |
| 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                                    | DI 0                             |
| PIN 2                                    | DI 1                             |
| PIN 3                                    | DI 2                             |
| PIN 4                                    | DI 3                             |
| PIN 5                                    | DI 4                             |
| PIN 6                                    | DI 5                             |
| PIN 7                                    | DI 6                             |
| PIN 8                                    | DI 7                             |
| PIN 9                                    | UI                               |
| PIN 10                                   | UI                               |
| 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                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 10                        |
| PIN 1                    | DI 16                     |
| PIN 2                    | DI 17                     |
| PIN 3                    | DI 18                     |
| PIN 4                    | DI 19                     |
| PIN 5                    | DI 20                     |
| PIN 6                    | DI 21                     |
| PIN 7                    | DI 22                     |
| PIN 8                    | DI 23                     |
| 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 24                     |
| PIN 2                    | DI 25                     |
| PIN 3                    | DI 26                     |
| PIN 4                    | DI 27                     |
| PIN 5                    | DI 28                     |
| PIN 6                    | DI 29                     |
| PIN 7                    | DI 30                     |
| PIN 8                    | DI 31                     |
| PIN 9                    | 0 V                       |
| PIN 10                   | 0 V                       |