

CUBE20 AI4 U/I

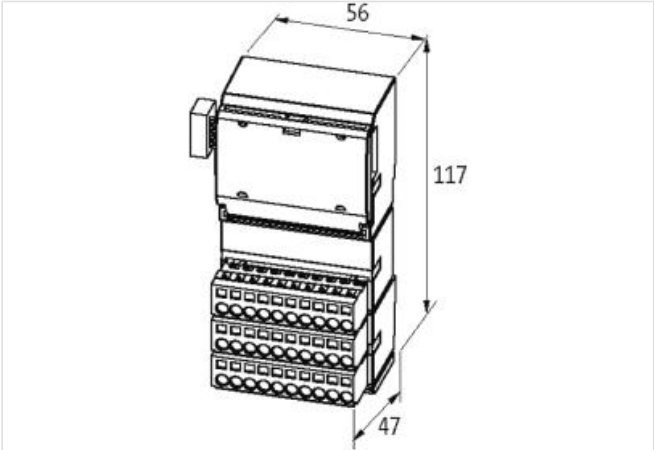
Expansion module  
AI4 - (E) I  
Voltage/current

Link to Product

Illustration



Product may differ from Image



| Commercial data            |                       |
|----------------------------|-----------------------|
| ECLASS-6.0                 | 27242601              |
| ECLASS-6.1                 | 27242601              |
| ECLASS-7.0                 | 27242601              |
| ECLASS-8.0                 | 27242601              |
| ECLASS-9.0                 | 27242601              |
| ECLASS-10.1                | 27242601              |
| ECLASS-11.1                | 27242601              |
| ECLASS-12.0                | 27242601              |
| ETIM-5.0                   | EC001596              |
| customs tariff number      | 85176200              |
| GTIN                       | 4048879049238         |
| Packaging unit             | 1                     |
| Electrical data   Supply   |                       |
| Idle current external max. | 60 mA                 |
| Current consumption max.   | 25 mA                 |
| Total current UA max.      | 4 A                   |
| Total current US max.      | 4 A                   |
| module supply              | via system connection |
| Electrical data   Input    |                       |
| Working resistance max.    | 300 Ω                 |
| Current input mode 2 min.  | 4 mA                  |
| Current input mode 2 max.  | 20 mA                 |
| Input current min.         | 0 mA                  |

|                                               |         |
|-----------------------------------------------|---------|
| Input current max.                            | 20 mA   |
| Resistance input min.                         | 1000 kΩ |
| Conversion time analog input per channel max. | 2 ms    |

#### 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 |
|-------------------------------------|------|

#### 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.   | -40 °C |
| Storage temperature max.   | 85 °C  |

#### Conformity

|                  |            |
|------------------|------------|
| Product standard | EN 61131-2 |
|------------------|------------|

#### Connection type 3

|                          |                           |
|--------------------------|---------------------------|
| Connection type 1        | X0                        |
| Connection type 2        | X1                        |
| Connection type 3        | X2                        |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| No. of poles             | 10                        |
| PIN 1                    | + U 0                     |
| PIN 2                    | + I 0                     |
| PIN 3                    | + U 1                     |
| PIN 4                    | + I 1                     |
| PIN 5                    | + U 2                     |
| PIN 6                    | + I 2                     |
| PIN 7                    | + U 3                     |
| PIN 8                    | + I 3                     |
| 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                    | 0 V                       |
| PIN 2                    | S 0                       |
| PIN 3                    | 0 V                       |
| PIN 4                    | S 1                       |
| PIN 5                    | 0 V                       |
| PIN 6                    | S 2                       |
| PIN 7                    | 0 V                       |
| PIN 8                    | S 3                       |
| 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                    | US                        |
| PIN 2                    | FE                        |
| PIN 3                    | US                        |
| PIN 4                    | FE                        |
| PIN 5                    | US                        |
| PIN 6                    | FE                        |
| PIN 7                    | US                        |
| PIN 8                    | FE                        |
| PIN 9                    | 0 V                       |
| PIN 10                   | 0 V                       |