

CUBE20 AI4 U/I

Art.No.: 56200  
Weight: 0.180 kg  
Country of origin: CZ  
Model designation: Cube20 AI4 U/I

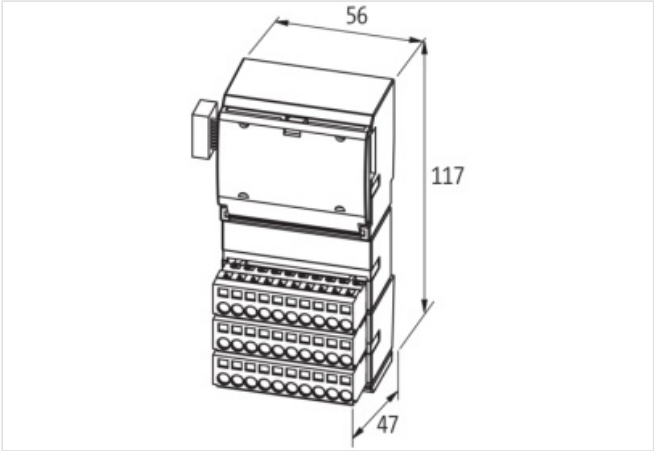
Expansion module  
AI4 - (E) I  
Voltage/current

Link to Product

Illustration



Product may differ from Image



Header

Material short text                      Cube20 AI4 U/I

Commercial data

|               |                                       |
|---------------|---------------------------------------|
| URL Webshop   | https://shop.murrelektronik.com/56200 |
| GTIN          | 4048879049238                         |
| ECLASS-6.0    | 27242601                              |
| ECLASS-6.1    | 27242601                              |
| ECLASS-7.0    | 27242601                              |
| ECLASS-7.1    | 27242601                              |
| ECLASS-8.0    | 27242601                              |
| ECLASS-8.1    | 27242601                              |
| ECLASS-9.0    | 27242601                              |
| ECLASS-9.1    | 27242601                              |
| ECLASS-10.0.1 | 27242601                              |
| ECLASS-10.1   | 27242601                              |
| ECLASS-11.0   | 27242601                              |
| ECLASS-11.1   | 27242601                              |
| ECLASS-12.0   | 27242601                              |
| ECLASS-13.0   | 27242601                              |
| ECLASS-14.0   | 27242601                              |

|                       |               |
|-----------------------|---------------|
| ETIM-5.0              | EC001596      |
| ETIM-6.0              | EC001596      |
| ETIM-7.0              | EC001596      |
| ETIM-8.0              | EC001596      |
| customs tariff number | 85176200      |
| EAN                   | 4048879049238 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                            |                       |
|----------------------------|-----------------------|
| Total current US max.      | 4 A                   |
| Total current UA max.      | 4 A                   |
| Idle current external max. | 60 mA                 |
| Current consumption max.   | 25 mA                 |
| module supply              | via system connection |

**Electrical data | Input**

|                                               |          |
|-----------------------------------------------|----------|
| Input current min.                            | 0 mA     |
| Input current max.                            | 20 mA    |
| Current input mode 2 min.                     | 4 mA     |
| Current input mode 2 max.                     | 20 mA    |
| Resistance input min.                         | 1.000 kΩ |
| Working resistance max.                       | 300 Ω    |
| Conversion time analog input per channel max. | 2 ms     |

**Diagnostics**

|                         |                                  |
|-------------------------|----------------------------------|
| Short circuit diagnosis | Yes                              |
| Overload diagnosis      | Yes                              |
| Diagnostic              | Under voltage                    |
| Diagnostic via BUS      | per module and channel           |
| Diagnostic via LED      | per module                       |
| LED display             | Ethernet connection/data traffic |

**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**

|                            |                           |
|----------------------------|---------------------------|
| Height                     | 117 mm                    |
| Width                      | 56 mm                     |
| Depth                      | 47 mm                     |
| Mounting method            | geschnappt                |
| Suitable for mounting type | (EN 60715), mounting rail |

**Environmental characteristics | Climatic**

|                                          |        |
|------------------------------------------|--------|
| Operating temperature min.               | 0 °C   |
| Operating temperature max.               | 55 °C  |
| Ambient temperature (storage, transport) | -40 °C |

**Conformity**

|                  |                |
|------------------|----------------|
| Product standard | IEC/EN 61131-2 |
|------------------|----------------|

**Connection type 3**

|                          |          |
|--------------------------|----------|
| Connection type 1        | X0       |
| Connection type 2        | X1       |
| Connection type 3        | X2       |
| Family construction form | terminal |
| No. of poles             | 10       |
| Gender                   | female   |

|                          |                           |
|--------------------------|---------------------------|
| Color contact carrier    | colorless                 |
| Connection               | Spring clamp terminals FK |
| 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                        |
| Family construction form | terminal                  |
| No. of poles             | 10                        |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| Connection               | Spring clamp terminals FK |
| 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                       |
| Family construction form | terminal                  |
| No. of poles             | 10                        |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| Connection               | Spring clamp terminals FK |
| 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                       |