

CUBE20 ANALOG INPUT MODULE

4 analog inputs

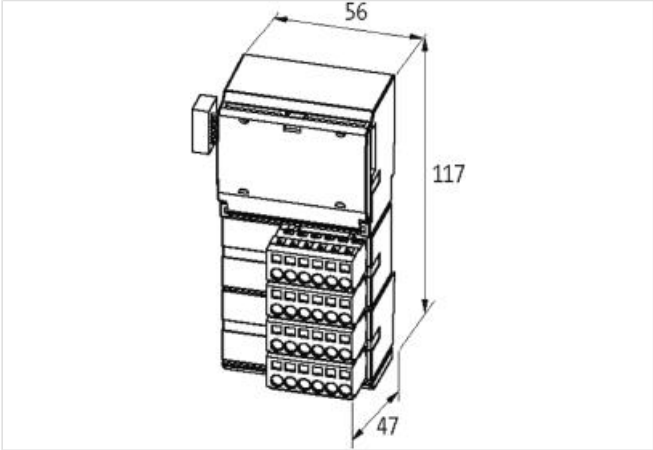
AI4 - (E) 4× M12 (TH)  
for thermo elements

[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                  | 4048879049177 |
| Packaging unit        | 1             |

Electrical data | Supply

|                            |                       |
|----------------------------|-----------------------|
| Idle current external max. | 45 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

|                                               |               |
|-----------------------------------------------|---------------|
| Type input                                    | E, J, K, N, R |
| Conversion time analog input per channel max. | 300 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                              |
| <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                             |
| <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                               | X2                               |
| Connection                                      | Spring clamp terminals FK        |
| Family construction form                        | terminal                         |
| Gender                                          | female                           |
| Color contact carrier                           | colorless                        |
| No. of poles                                    | 6                                |
| PIN 1                                           | TH 0 +                           |
| PIN 2                                           | TH 1 +                           |
| PIN 3                                           | TH 0 +                           |
| PIN 4                                           | TH 1 +                           |
| PIN 5                                           | UI                               |
| PIN 6                                           | UI                               |
| Connection                                      | Spring clamp terminals FK        |
| Family construction form                        | terminal                         |
| Gender                                          | female                           |
| Color contact carrier                           | colorless                        |
| No. of poles                                    | 6                                |
| PIN 1                                           | KTY 0                            |
| PIN 2                                           | KTY 0                            |
| PIN 3                                           | KTY 1                            |
| PIN 4                                           | KTY 1                            |
| 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                    | FE                        |
| PIN 4                    | FE                        |
| 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                    | TH 0 -                    |
| PIN 2                    | TH 1 -                    |
| PIN 3                    | TH 0 -                    |
| PIN 4                    | TH 1 -                    |
| PIN 5                    | 0 V                       |
| PIN 6                    | 0 V                       |