

CUBE20S ANALOG INPUT MODULE AI4

4X16BIT (I 0(4)...20 mA)

Expansion module  
AI4 - (E) I  
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      | 85389099              |
| GTIN                       | 4048879423755         |
| Packaging unit             | 1                     |
| Electrical data   Supply   |                       |
| Idle current external max. | 20 mA                 |
| Current consumption max.   | 60 mA                 |
| module supply              | via system connection |
| Electrical data   Input    |                       |
| Working resistance max.    | 60 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   |
| Conversion time analog input per channel | 0,48 ms |

**Diagnostics**

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

**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                     | 109 mm                    |
| Width                      | 12,9 mm                   |
| Depth                      | 76,5 mm                   |

**Environmental characteristics | Climatic**

|                            |        |
|----------------------------|--------|
| Operating temperature min. | 0 °C   |
| Operating temperature max. | 60 °C  |
| Storage temperature min.   | -25 °C |
| Storage temperature max.   | 70 °C  |

**Connection type 2**

|                          |                           |
|--------------------------|---------------------------|
| Connection type 1        | Power                     |
| Connection type 2        | Power                     |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| No. of poles             | 8                         |
| PIN 1                    | n.c.                      |
| PIN 2                    | 24 V DC                   |
| PIN 3                    | 0 V                       |
| PIN 4                    | 24 V DC Sys               |
| PIN 5                    | n.c.                      |
| PIN 6                    | 24 V DC                   |
| PIN 7                    | 0 V                       |
| PIN 8                    | 0 V Sys                   |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| No. of poles             | 8                         |
| PIN 1                    | + AI 0                    |
| PIN 2                    | - AI 0                    |
| PIN 3                    | + AI 2                    |
| PIN 4                    | - AI 2                    |
| PIN 5                    | + AI 1                    |
| PIN 6                    | - AI 1                    |
| PIN 7                    | + AI 3                    |
| PIN 8                    | - AI 3                    |