

SIPLUS HCS4300 CIM4310 Central Interface Module with PROFINET communication



Figure similar

| General information | |
|---|--|
| Product type designation | CIM4310 PROFINET |
| Installation type/mounting | |
| Mounting type | Screw mounting to POM |
| Mounting position | vertical |
| Type of ventilation | Forced ventilation |
| Supply voltage | |
| Type of supply voltage | DC |
| Rated value (DC) | 24 V |
| Relative negative tolerance | 20 % |
| Relative positive tolerance | 20 % |
| Connection method | |
| <ul style="list-style-type: none"> • Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid | Connector 2x 2-pin with tension spring connection 1x (0.2 ... 2.5 mm ²) |

- Connectable conductor cross-sections, finely stranded with wire end processing
- Connectable conductor cross-sections for AWG cables

1x (0.2 ... 2.5 mm²)

1x (26 ... 12)

Power

Active power input 3 W

Hardware configuration

Type of power output connectable POM4320

Slots

- Number of slots 1

Interfaces

Interfaces/bus type PROFINET IO

Supports protocol for PROFINET IO

- Transmission rate, max. 100 Mbit/s
- Design of electrical connection of PROFINET interface 2x RJ45

Protocols

Supports protocol for PROFINET IO Yes

PROFIBUS DP No

Further protocols

- EtherNet/IP No

Interrupts/diagnostics/status information

Number of status displays 3

LED status display LED green = ready, LED yellow = heating on/off, LED red = error display

Isolation

Overvoltage category III

Degree of pollution 2

EMC

EMC interference emission Limit value in accordance with IEC 61000-6-4:2007 + A1:2011

Electrostatic discharge acc. to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge

Field-related interference acc. to IEC 61000-4-3 10 V/m (80 ... 1 000 MHz), 3 V/m (1.4 ... 2.0 GHz), 1 V/m (2.0 ... 2.7 GHz)

Conducted interference due to burst acc. to IEC 61000-4-4 2 kV power supply lines, 2 kV PROFINET cables

Conducted interference due to surge acc. to IEC 61000-4-5 DC supply lines: 0.5 kV symmetric and unsymmetric PROFINET cables: 1 kV unsymmetric

Conducted interference due to high-frequency radiation acc. to IEC 61000-4-6 10 V (0.15 ... 80 MHz)

Degree and class of protection

IP degree of protection IP20

| Standards, approvals, certificates | |
|---|---|
| CE mark | Yes |
| UL approval | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| China RoHS compliance | Yes |
| Reference designation according to DIN EN 81346-2 | K |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 55 °C |
| Ambient temperature during storage/transportation | |
| • Storage, min. | -25 °C |
| • Storage, max. | 70 °C |
| • Transportation, min. | -25 °C |
| • Transportation, max. | 70 °C |
| Air pressure acc. to IEC 60068-2-13 | |
| • Operation, min. | 860 hPa |
| • Operation, max. | 1 080 hPa |
| • Storage, min. | 660 hPa |
| • Storage, max. | 1 080 hPa |
| Altitude during operation relating to sea level | |
| • Installation altitude above sea level, max. | 2 000 m |
| Relative humidity | |
| • Operation at 25 °C, max. | 95 % |
| • Operation at 50 °C, max. | 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C |
| Vibrations | |
| • Vibration resistance during operation acc. to IEC 60068-2-6 | 10 ... 58 Hz / 0.075 mm, 58 ... 150 Hz / 1 g |
| • Vibration resistance during storage acc. to IEC 60068-2-6 | 5 ... 8.5 Hz / 3.5 mm, 8.5 ... 500 Hz / 1 g |
| Shock testing | |
| • Shock resistance during operation acc. to IEC 60068-2-27 | 15 g / 11 ms / 3 shocks/axis |
| • Shock resistance during storage acc. to IEC 60068-2-29 | 25 g / 6 ms / 1 000 shocks/axis |
| Dimensions | |
| Width | 56 mm |
| Height | 285 mm |
| Depth | 136 mm |

last modified:

11/25/2019