# IBS USC4-2 - Masterboard

2812209

https://www.phoenixcontact.com/us/products/2812209

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INTERBUS Generation 4 masterboard

## Commercial data

| | |
|---|---|
| Item number | 2812209 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DR14 |
| Product key | DRECAA |
| GTIN | 4017918913991 |
| Weight per piece (including packing) | 40.367 g |
| Weight per piece (excluding packing) | 40.367 g |
| Customs tariff number | 85389091 |
| Country of origin | DE |

# Technical data

## Notes

Note on application

| | |
|---|---|
| Note on application | Only for industrial use |

## Product properties

| | |
|---|---|
| Product type | Master module |
| Type of housing/design | Daughterboard |

## System properties

Module

| | |
|---|---|
| Protocol chip | IBS IPMS 3 |

Functionality

| | |
|---|---|
| Number of I/O nodes | max. 4096 (8192 with coupling memory expansion) |

## Electrical properties

| | |
|---|---|
| IC power supply voltage | 5 V DC ±10 % (DC) |

Supply

| | |
|---|---|
| Typical current consumption | 200 mA (without extensions) |

## Interfaces

INTERBUS

| | |
|---|---|
| Connection method | Remote bus |

User interface

| | |
|---|---|
| Connection method | 60-pos. basic connector and 40-pos. extension connector for power supply for -Diagnostics, -Configuration, -DPM interface, -Memory extension |

## Dimensions

| | |
|---|---|
| Width | 50 mm |
| Length | 70 mm |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | 0 °C ... 70 °C |

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2812209

**cULus Recognized**
Approval ID: E140324

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27242605 |
| ECLASS-15.0 | 27242605 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001601 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32151600 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 78d663a0-8266-42f8-83a1-9b4b7e3e9b54 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 8.738 kg CO2e |


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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com