

PN UNI DEVICE - Plug-in board

2701242

<https://www.phoenixcontact.com/us/products/2701242>



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Universal communication module as daughter board



Product description

The PN UNI DIO is designed as a universal plug-in board, which provides the developer with a complete PROFINET interface, thereby enabling him to fully focus on the application. Thanks to the various configuration options for 48 GPIOs, the PN UNI DIO can be used in almost all applications as a PROFINET device.

Your advantages

- LED diagnostics and status indicators
- The IBS UNI DIO can be easily replaced
- PROFINET conformance class C
- TPS-1 protocol chip

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2701242 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRIA7A |
| GTIN | 4046356727235 |
| Weight per piece (including packing) | 65.6 g |
| Weight per piece (excluding packing) | 65.6 g |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------|---------------|
| Product type | Plug-in board |
| Type | Daughterboard |

System properties

| | |
|---------------|-------|
| Module | |
| Protocol chip | TPS-1 |

Electrical properties

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

| | |
|-----------------------------|-------------------------------------|
| Supply | |
| Typical current consumption | approx. 55 mA (Without active PHYs) |

Interfaces

| | |
|----------------|---|
| User interface | Two 60-pos. socket strips for power supply, diagnostics, configuration, GPIOs, and status LEDs. |
|----------------|---|

| PROFINET | |
|----------------------|---|
| Bus system | PROFINET |
| Connection method | 2 ports, 10/100 Mbp/s, auto negotiation |
| Transmission speed | 100 Mbps (acc. to PROFINET standard) |
| Transmission physics | Twisted pair connection |
| Transmission length | max. 100 m |
| No. of channels | 2 |

Dimensions

| | |
|--------|-------|
| Width | 80 mm |
| Length | 50 mm |

Environmental and real-life conditions

| Ambient conditions | |
|---|-----------------------------------|
| Degree of protection | IP00 |
| Ambient temperature (operation) | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C (non-condensing) |

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Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001601 |
|----------|----------|

UNSPSC

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

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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) |
|-------------------------------------|----------------------|

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