

# TPS-1 EVA BOARD - Evaluation Board

2700881

<https://www.phoenixcontact.com/us/products/2700881>



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Demo board for the TPS-1 PROFINET protocol chip



## Product description

Test PROFINET communication with the TPS-1 EVA BOARD.  
You can program demonstration applications using the LEDs provided.

## Your advantages

- TPS-1 protocol chip
- PROFINET conformance class C
- LED diagnostics and status indicators

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2700881                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | DR14                           |
| Product key                          | DRECBA                         |
| GTIN                                 | 4046356655385                  |
| Weight per piece (including packing) | 194.7 g                        |
| Weight per piece (excluding packing) | 194.7 g                        |
| Customs tariff number                | 85389091                       |
| Country of origin                    | DE                             |

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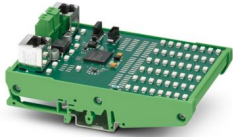
## Set consists of

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## Technical data

### Product properties

|              |                  |
|--------------|------------------|
| Product type | Evaluation board |
|--------------|------------------|

### System properties

#### Module

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

### Electrical properties

|                         |                        |
|-------------------------|------------------------|
| IC power supply voltage | 5 V DC $\pm 10\%$ (DC) |
|-------------------------|------------------------|

#### Supply

|                          |                            |
|--------------------------|----------------------------|
| Max. current consumption | 200 mA (+7 mA per set LED) |
|--------------------------|----------------------------|

### Interfaces

#### Ethernet 10Base-T/100Base-TX

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Bus system                    | RJ45                                    |
| Connection method             | RJ45 jack                               |
| Note on the connection method | 2x                                      |
| Transmission speed            | 10/100 Mbps (acc. to PROFINET standard) |
| Transmission physics          | Twisted pair connection                 |

### Dimensions

|        |        |
|--------|--------|
| Width  | 79 mm  |
| Height | 48 mm  |
| Length | 128 mm |

### Environmental and real-life conditions

#### Ambient conditions

|                                 |                |
|---------------------------------|----------------|
| Ambient temperature (operation) | 5 °C ... 55 °C |
|---------------------------------|----------------|

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## Classifications

### 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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