

# PT-IQ-PTB-PT - Supply and remote module



2801296  
<https://www.phoenixcontact.com/pc/products/2801296>

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Module for power supply and multi-stage, floating remote signaling of connected surge protection modules.

## Your advantages

- Predictive monitoring with 3-stage LED display
- Integration of the status message into the system controller via group remote signaling
- Install quickly and error-free with DIN rail connectors
- Supply of up to 28 protective devices due to high feed-in power
- Maximum protection for MCR applications with high discharge capacity

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2801296             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | CL2153              |
| Catalog page                         | Page 120 (C-4-2019) |
| GTIN                                 | 4046356766760       |
| Weight per piece (including packing) | 121.425 g           |
| Weight per piece (excluding packing) | 117.6 g             |
| Customs tariff number                | 85363030            |
| Country of origin                    | DE                  |

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## Technical data

### Notes

|         |                                                                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| General |                                                                                                                                                     |
| Note    | Remote signaling as well as the power supply of the DIN rail connector are established by snapping the module into place on the DIN rail connector. |

### Product properties

|                |                                         |
|----------------|-----------------------------------------|
| Type           | DIN rail module, two-section, divisible |
| Product type   | Surge protection for MCR technology     |
| Product family | PLUGTRAB IQ                             |

|                            |    |
|----------------------------|----|
| Insulation characteristics |    |
| Overvoltage category       | II |
| Pollution degree           | 2  |

### Electrical properties

|                            |                 |
|----------------------------|-----------------|
| Indicator/remote signaling |                 |
| Switching function         | 2x N/C contacts |

|                                                                     |                       |
|---------------------------------------------------------------------|-----------------------|
| Supply: Status indicator/remote signaling                           |                       |
| Operating voltage                                                   | 20 V DC ... 30 V DC   |
| Rated current                                                       | max. 130 mA (24 V DC) |
|                                                                     | max. 160 mA (20 V DC) |
| Max. required back-up fuse                                          | 500 mA (T)            |
| Number of surge protection modules that can be mounted side by side | 28 (32 °C)            |

### Connection data

|                                  |                     |
|----------------------------------|---------------------|
| Connection method                | Push-in connection  |
| Conductor cross section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross section rigid    | 0.2 mm² ... 4 mm²   |
| Conductor cross section AWG      | 24 ... 12           |

### Dimensions

|                     |                                 |
|---------------------|---------------------------------|
| Dimensional drawing |                                 |
| Width               | 17.7 mm                         |
| Height              | 109.3 mm                        |
| Depth               | 77.5 mm (incl. DIN rail 7.5 mm) |

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|                  |        |
|------------------|--------|
| Horizontal pitch | 1 Div. |
|------------------|--------|

## Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color                                  | black (RAL 9005) |
| Flammability rating according to UL 94 | V-0              |
| Housing material                       | PA 6.6           |

## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Protective circuit

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Surge protection fault message | Optical, multi-stage remote indication contact |
|--------------------------------|------------------------------------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP20             |
| Ambient temperature (operation)         | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Altitude                                | ≤ 4000 m (amsl)  |

## Standards and regulations

|                          |                |
|--------------------------|----------------|
| Standards/specifications | EN 61000-6-2   |
| Note                     | 2005           |
| Standards/specifications | EN 61000-6-3   |
| Note                     | 2007 + A1:2011 |
| Standards/specifications | EN 60950-1     |
| Note                     | 2006 + A2:2013 |

## Mounting

|               |                 |
|---------------|-----------------|
| Mounting type | DIN rail: 35 mm |
|---------------|-----------------|

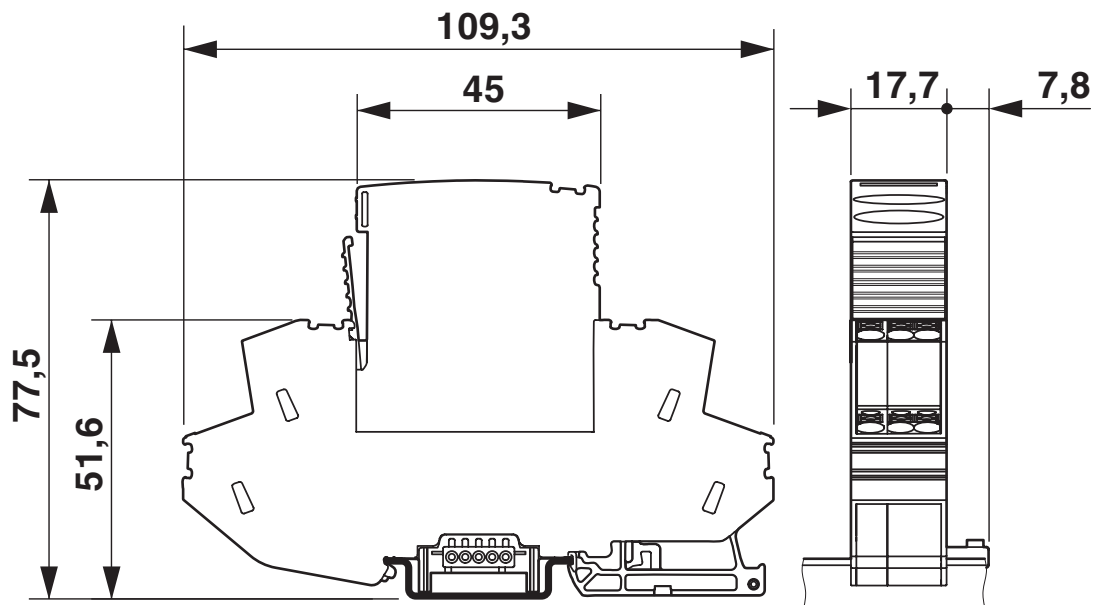
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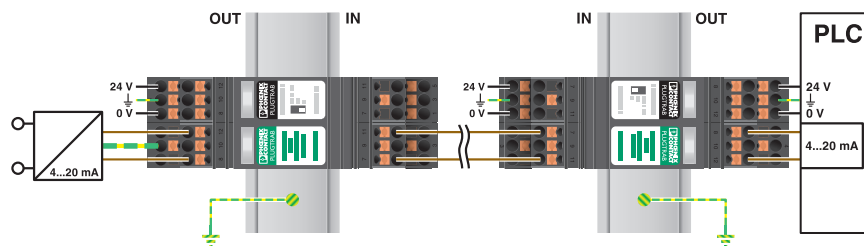
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## Drawings

Dimensional drawing



Application drawing



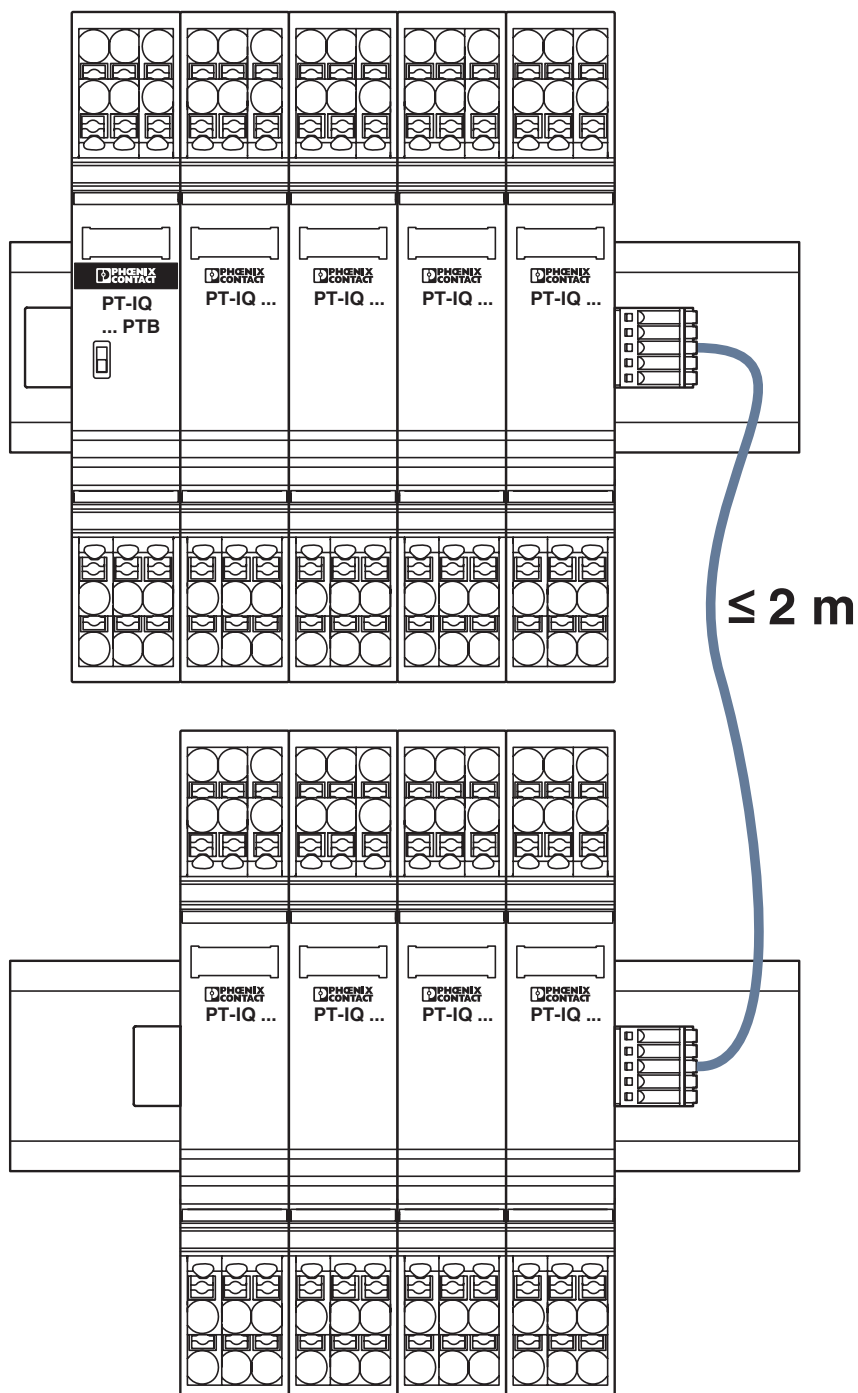
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Schematic diagram



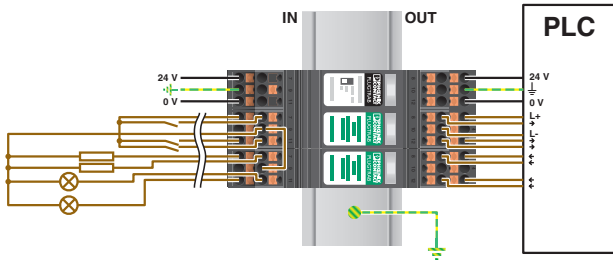
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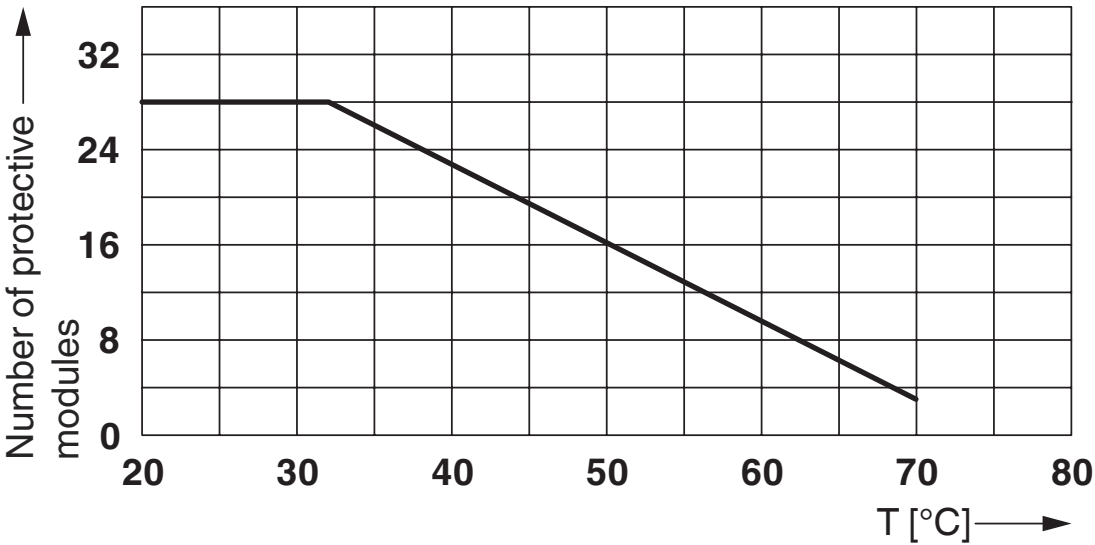
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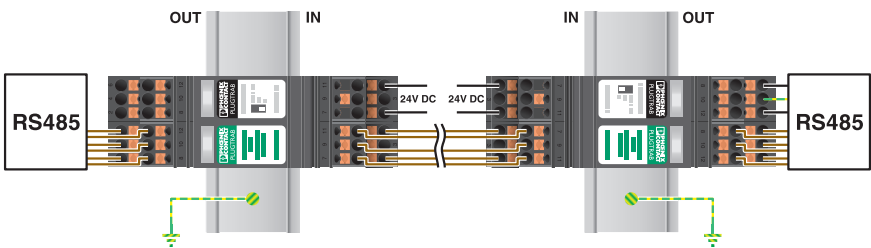
Application drawing

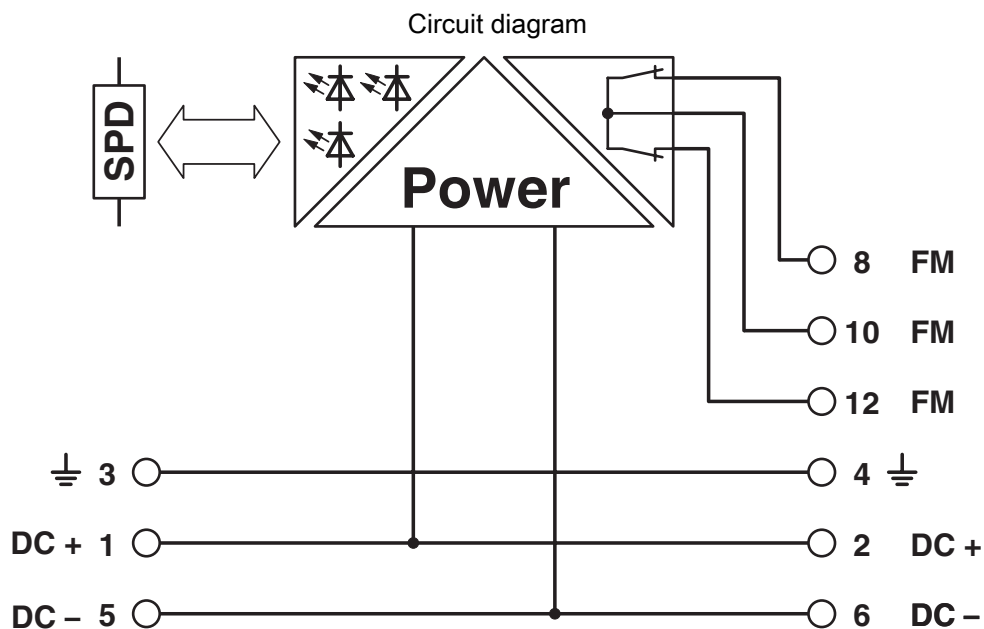


Diagram



Application drawing





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## Approvals

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**CSA**  
Approval ID: 2761632



**EAC**  
Approval ID: EAC-Zulassung



**EAC**  
Approval ID: RU C-DE.\*09.B.00169



**UL Listed**  
Approval ID: FILE E 138168



**CSAus**  
Approval ID: 2761632

**cCSAus**

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27130813 |
| ECLASS-13.0 | 27171501 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001625 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121600 |
|-------------|----------|

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## Environmental product compliance

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                               |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                               |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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