

# PT-IQ-PTB-BE-UT - Surge protection base-element



2905364

<https://www.phoenixcontact.com/us/products/2905364>

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Base element for the PLUGTRAB PT-IQ-PTB... supply and remote signaling module



## Product description

DIN rail connector not included with delivery of PT-IQ basic element (PT-IQ-17,5-TBUS-5-2.0). Required DIN rail connectors must be ordered separately.

## Commercial data

Item number	2905364
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL22
Product key	CL2151
GTIN	4046356959506
Weight per piece (including packing)	85.766 g
Weight per piece (excluding packing)	62 g
Customs tariff number	85366990
Country of origin	DE

## Technical data

### Product properties

Type	Base element, DIN rail mounting
Product type	Base element
Product family	PLUGTRAB IQ
Number of positions	1

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

#### 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)

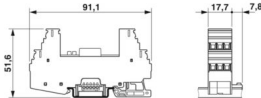
### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

### Ex data

Altitude	≤ 2000 m (amsl)
Ambient temperature (operation)	-40 °C ... 50 °C (T6)
	-40 °C ... 70 °C (T4)
Number of surge protection modules that can be mounted side by side	max. 10
Operating voltage	20 V DC ... 30 V DC
max. input voltage $U_m$	35 V DC
Maximum switching voltage $U_m$	60 V DC

### Dimensions

Dimensional drawing	
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Width	17.7 mm
Height	91.1 mm
Depth	51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

## Material specifications

Color	black (RAL 9005) gray (RAL 7042)
Flammability rating according to UL 94	V-0
Housing material	PA 6.6

## Mechanical properties

### Mechanical data

Open side panel	No
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## Protective circuit

Surge protection fault message	Remote indication contact
Max. required back-up fuse	500 mA (F)

## 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)
Permissible humidity (operation)	5 % ... 95 %

## 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 + A1:2010
Standards/specifications	EN 60079-0
Note	2018
Standards/specifications	EN 60079-11
Note	2012
Standards/specifications	EN 60079-15
Note	2010
Standards/specifications	IEC 60079-0
Note	2017
Standards/specifications	IEC 60079-11
Note	2011

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Standards/specifications	IEC 60079-15
Note	2010

## Mounting

Mounting type	DIN rail: 35 mm
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## Classifications

### ECLASS

ECLASS-11.0	27130803
ECLASS-13.0	27171501

### ETIM

ETIM 9.0	EC001625
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### 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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