

# Surge protection base element - PT-IQ-5-EX-BE-UT - 2905497

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Base element for protective plug PLUGTRAB PT-IQ-2X2-EX

## 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.



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 958189
GTIN	4046356958189

## Technical data

### Dimensions

Height	90 mm
Width	17.7 mm
Depth	51.5 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	max. 2000 m
Degree of protection	IP20 (with inserted protective plug)

### General

Housing material	PA 6.6
Flammability rating according to UL 94	V-0
Color	blue
Mounting type	DIN rail: 35 mm
Type	Base element, DIN rail mounting

# Surge protection base element - PT-IQ-5-EX-BE-UT - 2905497

## Technical data

### General

Number of positions	5
---------------------	---

### Protective circuit

Rated current	350 mA
Resistance per path	1.2 Ω ±5 %

### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

### Standards and Regulations

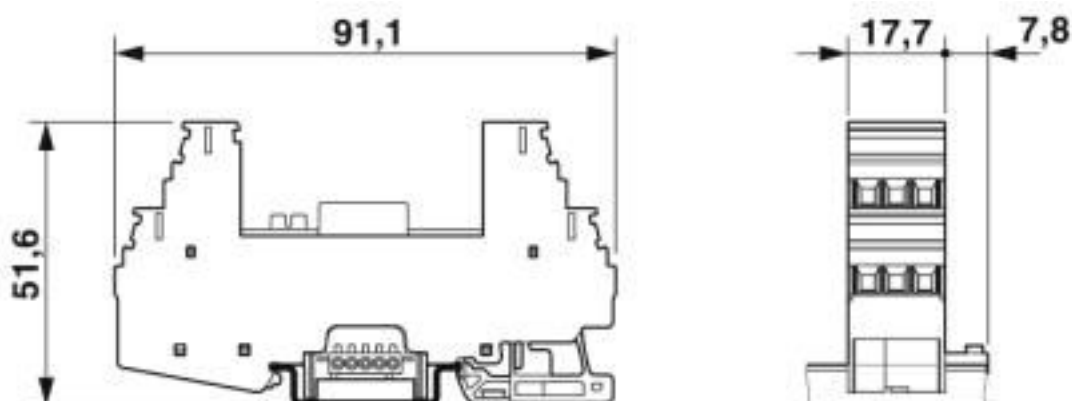
Standards/specifications	EN 61643-21/A2 2013
	IEC 61643-21/A2 2012

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 10.0.1	27130803
---------------	----------

# Surge protection base element - PT-IQ-5-EX-BE-UT - 2905497

## Classifications

### eCl@ss

eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130803
eCl@ss 8.0	27130803
eCl@ss 9.0	27130803

### ETIM

ETIM 4.0	EC000943
ETIM 5.0	EC000472
ETIM 6.0	EC000472
ETIM 7.0	EC000472

### UNSPSC

UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

## Approvals

### Approvals

---

Approvals

UL Listed

---

Ex Approvals

IECEX / ATEX / UL Listed / cUL Listed / cULus Listed

---

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	FILE E 138168
-----------	--	---	---------------

## Accessories

### Accessories

# Surge protection base element - PT-IQ-5-EX-BE-UT - 2905497

## Accessories

### Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

---

### Labeled terminal marker

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

---

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

---

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

---

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

---

### Marker pen

## Surge protection base element - PT-IQ-5-EX-BE-UT - 2905497

### Accessories

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

---

### Mounting material

End clamp - E/ME TBUS NS35 GY - 2713780



End clamp, stable construction for DIN rail bus connector

---

### PCB plug

Printed-circuit board connector - FK-MC 0,5/ 5-ST-2,5 - 1881354



PCB connector, nominal current: 4 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 5, pitch: 2.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

---

### Terminal marking

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5/WH-100:UNBEDRUCKT - 0808668



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

---

### Necessary add-on products

## Surge protection base element - PT-IQ-5-EX-BE-UT - 2905497

### Accessories

Surge protection plug - PT-IQ-2X2-EX-24DC-P - 2801515



Surge protection plug with integrated multi-stage status indicator on the module for two 2-wire floating Ex-i signal circuits. Nominal voltage: 24 V DC

---

### Additional products

Plug-in jumper - PT-IQ-JUMPER-2.0 - 2906879



Jumper for PT-IQ basis elements for preventing an error message from the PT-IQ-PTB when the protective plug is not inserted.

---

DIN rail bus connectors - PT-IQ-17,5-TBUS-5-2.0 - 2906878



DIN rail connector for PT-IQ system for establishing remote signaling and the power supply when a surge protection module is snapped on.

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Transistor Output Optocouplers](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[LTV-814S-TA](#) [LTV-824HS](#) [66095-001](#) [6N136-X017T](#) [MCT6-X007](#) [MOC8101-X017T](#) [PS2561A-1-W-A](#) [PS2561B-1-L-A](#) [PS2561L-1-V-A](#)  
[MRF658](#) [IL755-1X007](#) [ILD2-X006](#) [ILD74-X001](#) [ILQ615-2X017](#) [ILQ615-3X016](#) [LDA102S](#) [LDA110S](#) [PS2561-1-V-W-A](#) [PS2561AL-1-V-](#)  
[A](#) [PS2561L1-1-L-A](#) [PS2701A-1-F3-P-A](#) [PS2801-1-F3-P-A](#) [PS2911-1-L-AX](#) [CNY17-2X017](#) [CNY17-4X001](#) [CNY17-4X017](#) [CNY17F-](#)  
[1X007](#) [CNY17F-2X017](#) [CNY17F-4X001](#) [CNY17G-1](#) [LTV-214](#) [LTV-702VB](#) [LTV-733S](#) [LTV-816S-TA](#) [LTV-825S](#) [TCET1113](#) [TCET2100](#)  
[4N25-X007T](#) [IL215AT](#) [ILD615-1X007](#) [ILQ2-X007](#) [VOS615A-2T](#) [WPPC-A11066AA](#) [WPPC-A11066AD](#) [WPPC-A11084ASS](#) [WPPC-](#)  
[A21068AA](#) [WPPC-D11066AA](#) [WPPC-D21068ED](#) [WPPC-D410616EA](#) [WPPC-D410616ED](#)