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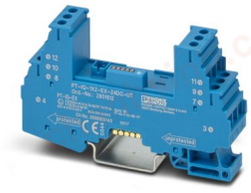
PT-IQ-3-EX-BE-UT - Surge protection base-element

2905496

https://www.phoenixcontact.com/gb/products/2905496

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Base element for protective plug PLUGTRAB PT-IQ-1X2-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.

Commercial data

Item number	2905496
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL2152
Product key	CL2152
GTIN	4046356958172
Weight per piece (including packing)	89.2 g
Weight per piece (excluding packing)	89.2 g
Customs tariff number	85363010
Country of origin	DE

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PT-IQ-3-EX-BE-UT - Surge protection base-element

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Technical data

Notes

General

Note	This item is a replacement base element for accommodating surge protection plugs from the PLUGTRAB PT-IQ product family (note compatibility).
	The base element contains the contacts that convey the remote signaling and power supply to the protective plug.

Product properties

Product type	Base element
Product family	PLUGTRAB IQ
Type	Base element, DIN rail mounting
Number of positions	3

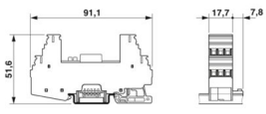
Insulation characteristics

Overvoltage category	III
Pollution degree	2

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section rigid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 14

Dimensions

Dimensional drawing	
Width	17.7 mm
Height	91.1 mm
Depth	51.6 mm
Horizontal pitch	1 Div.

Material specifications

Color	blue (RAL 5015)
	gray (RAL 7042)
Flammability rating according to UL 94	V-0
Housing material	PA 6.6

Mechanical properties

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Mechanical data

Open side panel	No

Protective circuit

Rated current	350 mA
Resistance per path	1.2 Ω ±5 %
Surge protection fault message	none

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/specifications	EN 61643-21
Note	A2:2013
Standards/specifications	IEC 61643-21
Note	A2:2012
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
Standards/specifications	IEC 60079-15
Note	2010

Mounting

Mounting type	DIN rail: 35 mm

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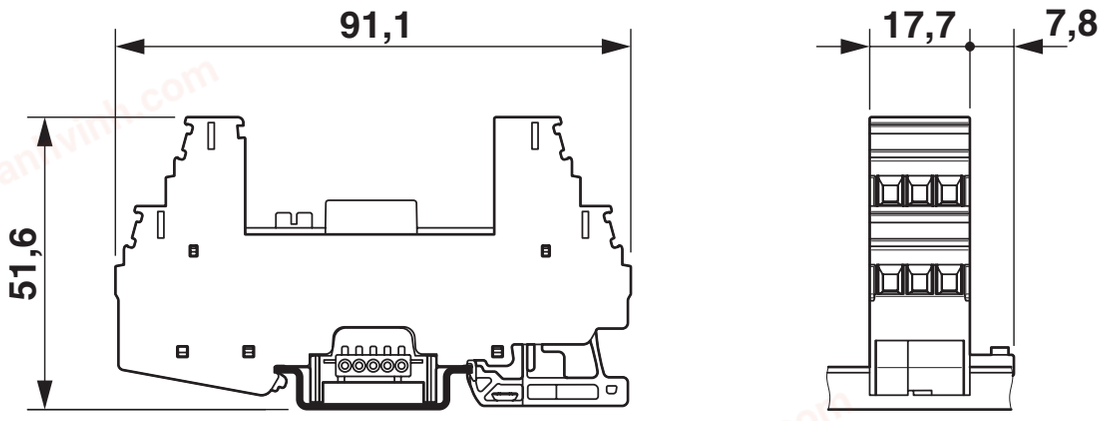
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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2905496

UL Listed
Approval ID: FILE E 138168

IECEx
Approval ID: IECEx BVS 14.0017X

cUL Listed
Approval ID: FILE E 333250

UL Listed
Approval ID: FILE E 333250

ATEX
Approval ID: BVS 14 ATEX E 020 X

NEPSI-EX
Approval ID: GYJ20.1158X

CCC
Approval ID: 2020322316001010

UKCA-EX
Approval ID: DEKRA 23UKEX0111X

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27130803
ECLASS-13.0	27171502

ETIM

ETIM 9.0	EC000943

UNSPSC

UNSPSC 21.0	39121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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)
SCIP	db91a27e-837d-43f0-bb9b-ec91a2f7cacb

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PT-IQ-3-EX-BE-UT - Surge protection base-element

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Mandatory accessories

PT-IQ-1X2-EX-24DC-P - Surge protection plug

2801514

https://www.phoenixcontact.com/gb/products/2801514



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

Accessories

ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

https://www.phoenixcontact.com/gb/products/0808642



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

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PT-IQ-3-EX-BE-UT - Surge protection base-element

2905496

https://www.phoenixcontact.com/gb/products/2905496

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

0808668

https://www.phoenixcontact.com/gb/products/0808668



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 1000

ZBN 18:UNBEDRUCKT - Zack marker strip

2809128

https://www.phoenixcontact.com/gb/products/2809128



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

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PT-IQ-3-EX-BE-UT - Surge protection base-element

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https://www.phoenixcontact.com/gb/products/2905496

E/ME TBUS NS35 GY - End bracket

2713780

https://www.phoenixcontact.com/gb/products/2713780



End clamp, stable construction for DIN rail bus connector

FK-MC 0,5/ 5-ST-2,5 - PCB connector

1881354

https://www.phoenixcontact.com/gb/products/1881354



PCB connector, nominal cross section: 0.5 mm^2, color: green, nominal current: 4 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: FK-MC 0,5/..-ST, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON FK-MC 0,5, locking: without, mounting: without, type of packaging: packed in cardboard

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PT-IQ-3-EX-BE-UT - Surge protection base-element

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https://www.phoenixcontact.com/gb/products/2905496

ZBN 18 CUS - Zack marker strip

0825059

https://www.phoenixcontact.com/gb/products/0825059



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, 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

PT-IQ-1X2-EX-24DC-P - Surge protection plug

2801514

https://www.phoenixcontact.com/gb/products/2801514



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

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PT-IQ-3-EX-BE-UT - Surge protection base-element

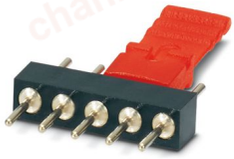
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https://www.phoenixcontact.com/gb/products/2905496

PT-IQ-JUMPER-2.0 - Plug-in bridge

2906879

https://www.phoenixcontact.com/gb/products/2906879

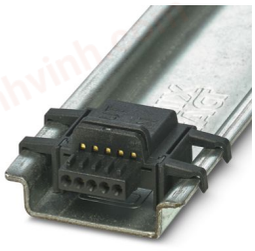


Jumper for PT-IQ basis elements for preventing an error message from the PT-IQ-PTB when the protective plug is not inserted.

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

2906878

https://www.phoenixcontact.com/gb/products/2906878



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

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PT-IQ-3-EX-BE-UT - Surge protection base-element

2905496

https://www.phoenixcontact.com/gb/products/2905496

X-PEN 0,35 - Marker pen

0811228

https://www.phoenixcontact.com/gb/products/0811228



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

SZS 0,6X3,5 VDE - Screwdriver

1212602

https://www.phoenixcontact.com/gb/products/1212602



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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PT-IQ-3-EX-BE-UT - Surge protection base-element

2905496

https://www.phoenixcontact.com/gb/products/2905496

SZS 0,4X2,5 VDE - Screwdriver

1205037

https://www.phoenixcontact.com/gb/products/1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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