

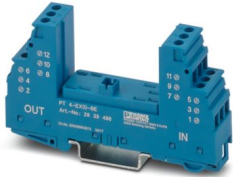
PT 4-EX(I)-BE - Surge protection base-element



2839486

<https://www.phoenixcontact.com/us/products/2839486>

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Base element for protective plug PT with protective circuit for a 4-core floating EEx ia signal circuit. Nominal voltage: 24 V DC, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

Your advantages

- Maximum ease of maintenance, thanks to the 2-piece design
- Easy selection for all possible demands in MCR applications with a complete product portfolio
- The signal is not influenced during maintenance work, thanks to the impedance-neutral insertion and removal of protective plugs

Commercial data

Item number	2839486
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL21
Product key	CL2113
Catalog page	Page 156 (C-4-2019)
GTIN	4017918182892
Weight per piece (including packing)	74.77 g
Weight per piece (excluding packing)	61.83 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

Product properties

Type	Base element, DIN rail mounting
Product type	Base element
Product family	PLUGTRAB PT
Number of positions	4
Wire pairs per module	2

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal voltage U_N	24 V DC
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Connection data

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

Ex data

Maximum inner capacitance C_i	1.1 nF
Max. internal inductance L_i	1 μ H
Max. input current I_i	500 mA (T4 / $\leq 80^\circ\text{C}$)
	500 mA (T5 / $\leq 55^\circ\text{C}$)
	500 mA (T6 / $\leq 40^\circ\text{C}$)
Max. input voltage U_i	30 V DC
max. input power P_i	850.00 mW (T4 / $\leq 80^\circ\text{C}$)
	700.00 mW (T5 / $\leq 55^\circ\text{C}$)
	700.00 mW (T6 / $\leq 40^\circ\text{C}$)
Maximum inner time factor (R_i/L_i)	$\leq 10 \mu\text{s}$
Ambient temperature (operation)	-40 °C ... 80 °C (T4)
	-40 °C ... 55 °C (T5)
	-40 °C ... 40 °C (T6)

Dimensions

Dimensional drawing	
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Width	17.7 mm
Height	90 mm
Depth	51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

Material specifications

Color	blue (RAL 5015)
	Copper
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

Maximum continuous voltage U_C	30 V DC
	21 V AC
Rated current	500 mA (40 °C)
Resistance per path	0 Ω
Surge protection fault message	none
Max. required back-up fuse	500 mA (T)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	\leq 2000 m (amsl)

Approvals

Conformity/Approvals

ATEX	Ⓢ II 1 G Ex ia IIC T4...T6
	Ⓢ II 1 D Ex iaD 20 IP6x T85 °C...135 °C

Standards and regulations

Standards/specifications	EN 61643-21
Note	A2:2013
Standards/specifications	EN 60079-0
Note	2018
Standards/specifications	EN 60079-11
Note	2012
Standards/specifications	IEC 60079-0

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Note	2017
Standards/specifications	IEC 60079-11
Note	2011

Mounting

Mounting type	DIN rail: 35 mm
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Classifications

ECLASS

ECLASS-11.0	27130803
ECLASS-13.0	27171502

ETIM

ETIM 9.0	EC000943
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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