

PT 2XEX(I)-BE - Surge protection base-element

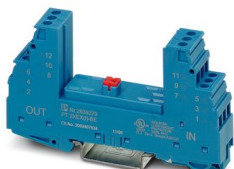


2839279

<https://www.phoenixcontact.com/us/products/2839279>

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 documentation. Our general terms of use for downloads are valid.

Base element for protective plug PT with protective circuit for two 2-core floating EEx ia signal circuits. 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	2839279
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL21
Product key	CL2113
Catalog page	Page 156 (C-4-2019)
GTIN	4017918182885
Weight per piece (including packing)	75.61 g
Weight per piece (excluding packing)	62.43 g
Customs tariff number	85363010
Country of origin	DE

PT 2XEX(I)-BE - Surge protection base-element



2839279
<https://www.phoenixcontact.com/us/products/2839279>

Technical data

Product properties

Product type	Base element
Product family	PLUGTRAB PT
Type	Base element, DIN rail mounting
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
-----------------------	---------

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 ... 12

Ex data

Maximum inner capacitance C_i	1.3 nF
Max. internal inductance L_i	1 µH
Max. input current I_i	325 mA (T4 / ≤ 80 °C)
	325 mA (T5 / ≤ 55 °C)
	325 mA (T6 / ≤ 40 °C)
Max. input voltage U_i	30 V DC
max. input power P_i	3.00 W
Maximum inner time factor (R_i/L_i)	≤ 0.2 µs
Ambient temperature (operation)	-40 °C ... 80 °C (T4)
	-40 °C ... 55 °C (T5)
	-40 °C ... 40 °C (T6)

Dimensions

Dimensional drawing	
Width	17.7 mm
Height	90 mm

PT 2XEX(I)-BE - Surge protection base-element



2839279

<https://www.phoenixcontact.com/us/products/2839279>

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
-----------------	----

Protective circuit

Maximum continuous voltage U_C	30 V DC 21 V AC
Rated current	325 mA ($\leq 40^\circ\text{C}$)
Resistance per path	$2.2\ \Omega \pm 10\ \%$
Surge protection fault message	none
Max. required back-up fuse	315 mA (T)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	$-40^\circ\text{C} \dots 85^\circ\text{C}$
Ambient temperature (storage/transport)	$-40^\circ\text{C} \dots 85^\circ\text{C}$
Altitude	$\leq 2000\text{ m (amsl)}$

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
Note	2017
Standards/specifications	IEC 60079-11

PT 2XEX(I)-BE - Surge protection base-element



2839279

<https://www.phoenixcontact.com/us/products/2839279>

Note	2011
------	------

Mounting

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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com