

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

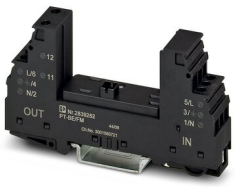
Visit our website - *Click HERE*

Type 3 surge protection base element - PT-BE/FM

2839282

https://www.phoenixcontact.com/us/products/2839282

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, 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 two-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
- Easy integration into the control room via floating remote indication contact

Commercial Data

Item number	2839282
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C06
Product Key	CL1411
Catalog Page	Page 138 (C-4-2019)
GTIN	4017918182502
Weight per Piece (including packing)	48.703 g
Weight per Piece (excluding packing)	45.91 g
Customs tariff number	85363010
Country of origin	DE

Technical Data

Product properties

Type	Base element, DIN rail mounting
Product type	Base element
Number of positions	3
Surge protection fault message	Remote indication contact

Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
	T3
EN type	T3
Number of ports	One

Electrical properties

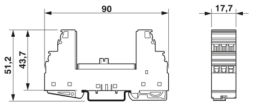
Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	N/C contact

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 Nm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12

Dimensions

Dimensional drawing	
Width	17.7 mm
Width	17.7 mm
Height	90 mm
Height	90 mm
Depth	51.2 mm
Depth	51.2 mm
Horizontal pitch	1 Div.
Complete module width	17.7 mm
Complete module height	90 mm

Complete module depth	65.5 mm

Material specifications

Color	jet black RAL 9005
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6-FR
Material group	I
Housing material	PA 6.6-FR

Mechanical properties

Mechanical data

Open side panel	No

Protective circuit

Nominal voltage U_N	230 V AC (TN-S)
	230 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	264 V AC
Rated load current I_L	26 A (30 °C)
Short-circuit current rating I_{SCCR}	1.5 kA AC
Max. backup fuse with branch wiring	depends on the plug used

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 ... 150 Hz/20 cycles/axis/X, Y, Z)

Approval data

UL specifications

Nominal voltage	240 V DC
Rated load current I_L	20 A
Power distribution system	Split phase
Nominal frequency	50/60 Hz
SPD Type	ACC

UL connection data

Tightening torque	5 lb_f-in. ... 7 lb_f-in.
Conductor cross section AWG	14 ... 12

Standards and regulations

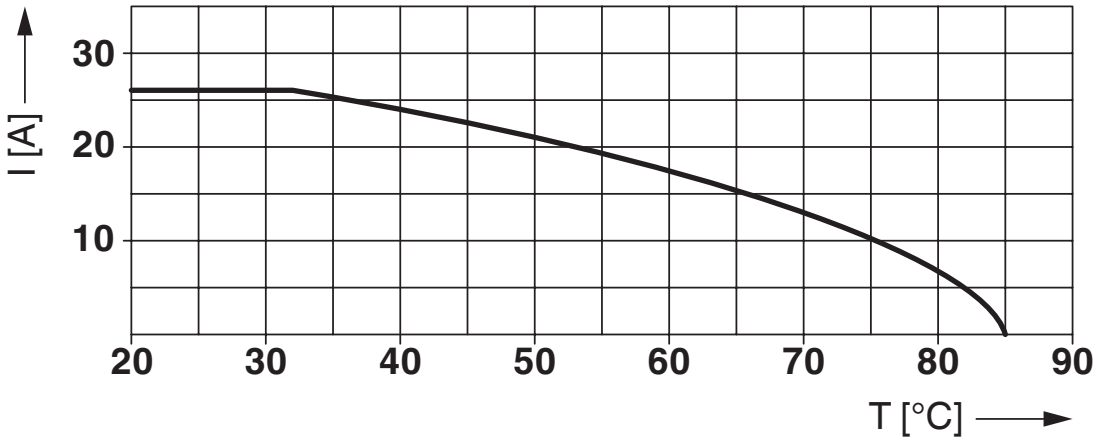
Standards/specifications	IEC 61643-11
Standards/specifications	EN 61643-11

Mounting

Mounting type	DIN rail: 35 mm

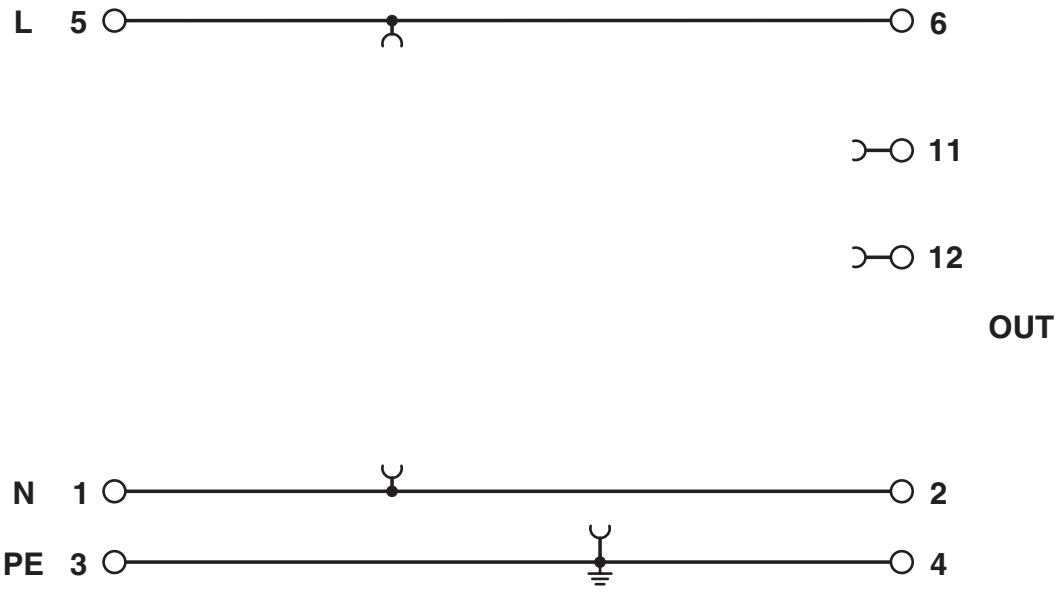
Drawings

Diagram

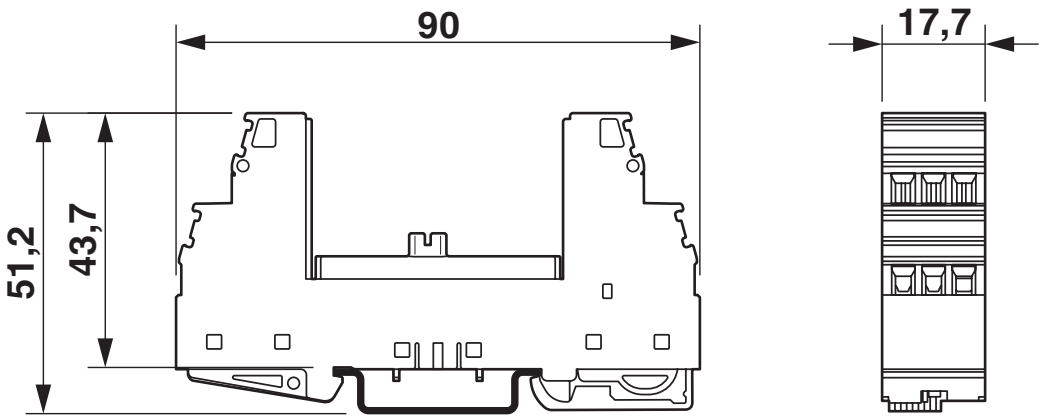


Nominal current depending on ambient temperature

Circuit diagram



Dimensional drawing



Approvals

cUL Recognized

UL Recognized

EAC

cUL Recognized	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

UL Recognized	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

cULus Recognized

cULus Recognized

Classifications

ECLASS

ECLASS-9.0	27130803
ECLASS-10.0.1	27130803
ECLASS-11.0	27130803

ETIM

ETIM 8.0	EC000472

UNSPSC

UNSPSC 21.0	39121620

Environmental Product Compliance

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

Accessories

Surge protection plug

Surge protection plug - PT 2X1-VF-230AC-ST - 2921365



Protective connector with protective circuit free of leakage current for two floating signals. Connection in series, consisting of varistor and gas-filled surge arrester between signal wires and ground.

Surge protection plug

Surge protection plug - PT 2X1VA- 60AC-ST - 2839172



Protective plug PT with protective circuit for higher signal voltages, 2-channel, visual error display. Nominal voltage: 60 V AC

Surge protection plug

Surge protection plug - PT 2X1VA-120AC-ST - 2839185



Protective plug PT with protective circuit for higher signal voltages, 2-channel, visual error warning. Nominal voltage: 120 V AC

Surge protection plug

Surge protection plug - PT 2X1VA-230AC-ST - 2839198



Protective plug PT with protective circuit for higher signal voltages, 2-channel, visual error warning. Nominal voltage: 230 V AC

Surge protection plug

Surge protection plug - PT 2-F-ST - 2859000



Surge protection plug for the base element, surge voltage coarse protection for two signal lines grounded on one side.

Type 3 surge protection plug

Type 3 surge protection plug - PLT-T3-IT-230-P - 2906451



Replacement plug for device protection in IT systems from the PLUGTRAB product series. 230 V nominal voltage.

Type 3 surge protection plug

Type 3 surge protection plug - PT 2+1-S-48DC-ST - 2839648



Protective plug PT with device surge protection for power supply units, visual error display. Nominal voltage: 48 V AC

Zack Marker strip, flat

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 in, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

Zack marker strip

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap in, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm, Number of individual labels: 10

Zack marker strip

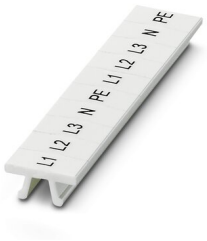
Zack marker strip - ZB 5,LGS:FORTL.ZAHLEN - 1050017



Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip

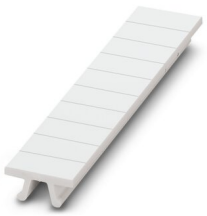
Zack marker strip - ZB 5,LGS:L1-N,PE - 1050415



Zack marker strip, Strip, white, labeled, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip

Zack marker strip - ZB 5,8:UNBEDRUCKT - 2715209



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap in, for terminal block width: 5.8 mm, lettering field size: 5.75 x 10.5 mm, Number of individual labels: 10

Shield connection

Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm^2, color: black

Shield connection

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm^2, color: black

Phoenix Contact 2022 © - 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

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP