

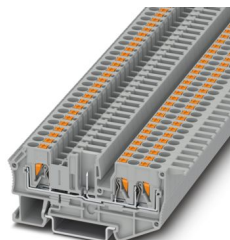
# PT 4/S-QUATTRO/1P - Feed-through terminal block



1107578

<https://www.phoenixcontact.com/sg/products/1107578>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, Thermal continuous current  $I_{th}$ : 24 A, connection method: Push-in / plug connection, cross section:  $0.14 \text{ mm}^2 - 4 \text{ mm}^2$ , mounting type: NS 35/7,5, NS 35/15, color: gray

## Your advantages

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The plug-in potential pick-off in the middle of the terminal block can be used for testing and system diagnostics.
- Use of  $4 \text{ mm}^2$  Push-in COMBI connectors (32 A) or CP 4 crimp contact connector housings (10 A).
- Automatically produced cable harnesses can be used.
- Coding accessories from the COMBI series prevent incorrect connection or mismatching when using several connectors.
- High vibration resistance with optional latching and strain relief accessories.
- Double bridge shaft for additional potential distribution or test accessories can be used.

## Commercial data

Item number	1107578
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE511X
GTIN	4063151008338
Weight per piece (including packing)	10.7 g
Weight per piece (excluding packing)	9.526 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Notes

General	The max. load current must not be exceeded by the total current of all connected conductors. Current and voltage are determined by the plug used.
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### Product properties

Product type	Plug-in terminal block
Number of rows	1

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

### Connection data

Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Thermal continuous current $I_{th}$	24 A
Nominal current	24 A
Maximum load current	24 A (with 6 mm <sup>2</sup> conductor cross section, rigid)
Nominal voltage	800 V

#### Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Dimensions

Width	6.2 mm
Height	84.5 mm
Depth	36.8 mm
Depth on NS 35/7,5	36.7 mm
Depth on NS 35/15	44.4 mm

### Material specifications

Color	gray (RAL 7042)
Insulating material	PA

## Electrical tests

### Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed
Short-time withstand current 1.5 mm <sup>2</sup>	0.18 kA
Result	Test passed

### Power-frequency withstand voltage

Test voltage setpoint	2 kV
Result	Test passed

## Mechanical properties

### Mechanical data

Open side panel	Yes
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## Mechanical tests

### Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed

## Environmental and real-life conditions

### Needle-flame test

Time of exposure	30 s
Result	Test passed

### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

### Shocks

Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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## Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 61984
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## Mounting

Mounting type	NS 35/7,5
	NS 35/15

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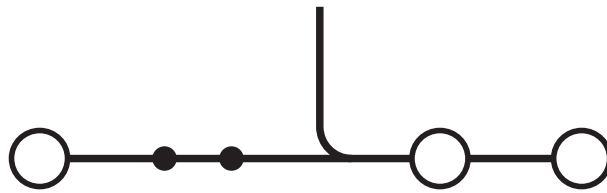
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## Drawings

Circuit diagram



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## Approvals


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 <b>CSA</b> Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	600 V	20 A	26 - 12	-
Use group C	600 V	20 A	26 - 12	-

 <b>IECEE CB Scheme</b> Approval ID: DE1-64672_B1_B2				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	800 V	24 A	-	-

 <b>VDE approval of drawings</b> Approval ID: 40043445				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	800 V	24 A	-	0.5 - 2.5

 <b>cULus Recognized</b> Approval ID: E60425				
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## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250117

### ETIM

ETIM 9.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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