

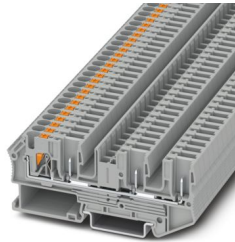
PT 4-QUATTRO/3CP - Feed-through terminal block



1091577

<https://www.phoenixcontact.com/gb/products/1091577>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, Thermal continuous current I_{th} : 32 A, connection method: Push-in / plug connection, cross section: $0.2 \text{ mm}^2 - 6 \text{ mm}^2$, mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Ideal as a plug-in ring feeder terminal block for voltage or signal distribution in modular systems manufacturing.
- The 4 mm^2 Push-in connection can be used as potential infeed.
- Use of 4 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.
- PE terminal block of the same shape available

Commercial data

Item number	1091577
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE2241
Product key	BE2241
GTIN	4055626904924
Weight per piece (including packing)	13.074 g
Weight per piece (excluding packing)	13.074 g
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	1.02 W

Connection data

Stripping length	10 mm ... 12 mm
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Thermal continuous current I_{th}	32 A
Nominal current	32 A
Maximum load current	32 A (with 6 mm ² conductor cross section, rigid)
Nominal voltage	800 V

Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

Dimensions

Width	6.2 mm
Height	90.8 mm
Depth	36.8 mm
Depth on NS 35/7,5	36.7 mm
Depth on NS 35/15	44.3 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0

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Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Surge voltage test

Result	Test passed
Short-time withstand current 4 mm ²	0.48 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
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	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.964 (m/s ²) ² /Hz
Acceleration	0.58g

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Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
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 %

Mounting

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

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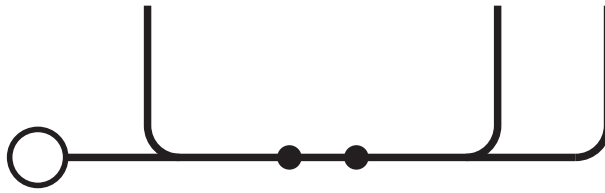
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1091577>

 CSA Approval ID: 158887				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	600 V	28 A	24 - 10	-
Use group C	600 V	28 A	24 - 10	-

 IECEE CB Scheme Approval ID: DE1-64672_B1_B2				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	800 V	32 A	-	-

 EAC Approval ID: RU C-DE.BL08.B.00644				
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 VDE approval of drawings Approval ID: 40043445				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	800 V	32 A	-	0.5 - 4

 cULus Recognized Approval ID: E60425				
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 cULus Recognized Approval ID: E60425				
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 EAC Approval ID: EACKZ 08593				
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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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