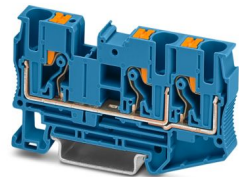


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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 3, connection method: Push-in connection, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

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 compact design and front connection enable wiring in a confined space

- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- Tested for railway applications

Commercial data

Item number	3211485
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2212
GTIN	4046356495967
Weight per piece (including packing)	20.012 g
Weight per piece (excluding packing)	18.833 g
Customs tariff number	85369010
Country of origin	CN

PT 6-TWIN BU - Feed-through terminal block



3211485

<https://www.phoenixcontact.com/us/products/3211485>

Technical data

Product properties

Product type	Multi-conductor terminal block
Product family	PT
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	3
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	3
Nominal cross section	6 mm ²
Connection method	Push-in connection
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm ² ... 10 mm ²
Conductor cross-section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm ² ... 10 mm ²
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 2.5 mm ² When using TWIN ferrules, we recommend a minimum ferrule length of 13 mm.
Nominal current	41 A
Maximum load current	52 A (with 10 mm ² conductor cross-section, rigid)
Nominal voltage	1000 V
Nominal cross section	6 mm ²

Connection cross sections directly pluggable

Conductor cross-section rigid	1 mm ² ... 10 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm ² ... 6 mm ²

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Flexible conductor cross-section (ferrule with plastic sleeve)	1 mm ² ... 6 mm ²
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Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range (1)	-60 °C ... 85 °C
Operating temperature range (2)	-40 °C ... 110 °C
Ex-certified accessories	3211508 D-PT 6-TWIN
	1204520 SZF 2-0,8X4,0
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-8 / 3030284
	Plug-in bridge / FBS 3-8 / 3030297
	Plug-in bridge / FBS 4-8 / 3030307
	Plug-in bridge / FBS 5-8 / 3030310
	Plug-in bridge / FBS 6-8 / 3032470
	Plug-in bridge / FBS 10-8 / 3030323
Bridge data	35 A (6 mm ²)
Ex temperature increase	40 K (35.5 A / 6 mm ²)
for bridging with bridge	550 V
- At bridging between non-adjacent terminal blocks	275 V
- At bridging between non-adjacent terminal blocks via PE terminal block	275 V
- At cut-to-length bridging	220 V
- At cut-to-length bridging with cover	275 V
- At cut-to-length bridging with partition plate	550 V
Rated insulation voltage	500 V
output	(Permanent)

Ex level General

Rated voltage	550 V
Rated current	35.5 A
Maximum load current	44.5 A
Contact resistance	0.65 mΩ

Ex connection data General

Nominal cross section	6 mm ²
Rated cross section AWG	10
Connection capacity rigid	0.5 mm ² ... 10 mm ²
Connection capacity AWG	20 ... 8
Connection capacity flexible	0.5 mm ² ... 6 mm ²
Connection capacity AWG	20 ... 10

Dimensions

Width	8.2 mm
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End cover width	2.2 mm
Height	74.2 mm
Depth	42.2 mm
Depth on NS 35/7,5	43.5 mm
Depth on NS 35/15	51 mm

Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
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

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

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 60947-7-1
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Mounting

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

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Drawings

Circuit diagram



PT 6-TWIN BU - Feed-through terminal block




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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3211485>

 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	600 V	40 A	20 - 8	-
C	600 V	40 A	20 - 8	-
D	600 V	5 A	20 - 8	-


 IECEE CB Scheme Approval ID: DE1-64280				
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 EAC Approval ID: RU C-DE.BL08.B.00644				
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 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	600 V	40 A	20 - 8	-
C	600 V	40 A	20 - 8	-
F	1000 V	40 A	20 - 8	-

 LR Approval ID: LR2371832TA				
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 NK Approval ID: 22ME0007				
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 VDE Zeichengenehmigung Approval ID: 40035239				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				

PT 6-TWIN BU - Feed-through terminal block



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Only flexible conductors	1000 V	41 A	-	0.5 - 6
Only rigid conductors	1000 V	41 A	-	0.5 - 10



PRs

Approval ID: TE/2107/880590/21

ABS

Approval ID: 21-2192245-PDA

DNV

Approval ID: TAE000010T



cUL Recognized

Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	550 V	40 A	20 - 8	-



EAC Ex

Approval ID: RU C-DE.AB72.B.02351



IEC Ex

Approval ID: IECEx SEV13.0005U



UL Recognized

Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	550 V	40 A	20 - 8	-



ATEX

Approval ID: SEV13ATEX0159U



CCC

Approval ID: 2020322313000631

PT 6-TWIN BU - Feed-through terminal block

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EAC Ex

Approval ID: KZ 7500525010101950

PT 6-TWIN BU - Feed-through terminal block



3211485

<https://www.phoenixcontact.com/us/products/3211485>

Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

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
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%