

G 5/ 4 - Device terminal block



2716046

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Device terminal block, nom. voltage: 500 V, nominal current: 32 A, number of connections: 8, number of positions: 4, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.2 mm² - 4 mm², mounting type: direct screw connection, color: gray

Your advantages

- Touch-proof shock protection

Commercial data

Item number	2716046
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1265
Catalog page	Page 577 (C-1-2019)
GTIN	4017918061784
Weight per piece (including packing)	28.774 g
Weight per piece (excluding packing)	28.715 g
Customs tariff number	85369010
Country of origin	TR

G 5/ 4 - Device terminal block



2716046

<https://www.phoenixcontact.com/us/products/2716046>

Technical data

Product properties

Product type	Feed-through terminal block
Number of positions	4
Number of connections	8
Number of rows	1
Potentials	4

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	8
Nominal cross section	4 mm ²
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	8 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 12 (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 ... 2.5 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	32 A
Maximum load current	32 A (with 4 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	4 mm ²

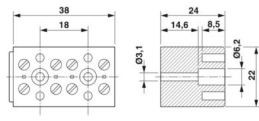
Dimensions

G 5/ 4 - Device terminal block

2716046

<https://www.phoenixcontact.com/us/products/2716046>

Dimensional drawing



Width	38 mm
Height	22 mm
Depth	24 mm
Hole diameter	3.2 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
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

Test voltage setpoint	7.3 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm ²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

General

G 5/ 4 - Device terminal block



2716046

<https://www.phoenixcontact.com/us/products/2716046>

Terminal block mounting	When attaching the product to the mounting surface, please ensure that the housing is not damaged when tightening the center screw
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Mechanical data

Open side panel	No
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Mechanical tests

Mechanical strength

Result	Test passed
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Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.2 mm ² / 0.2 kg
	1.5 mm ² / 0.4 kg
	4 mm ² / 0.9 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

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, no longer than 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	direct screw connection
Terminal block mounting	When attaching the product to the mounting surface, please ensure that the housing is not damaged when tightening the center screw

G 5/ 4 - Device terminal block

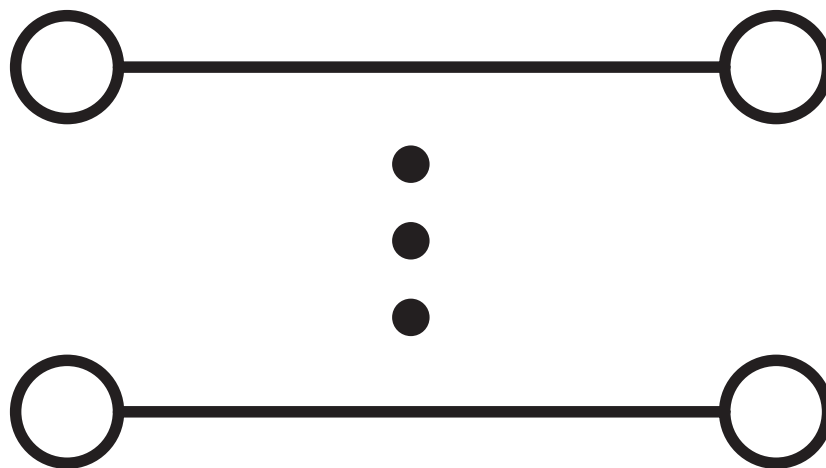
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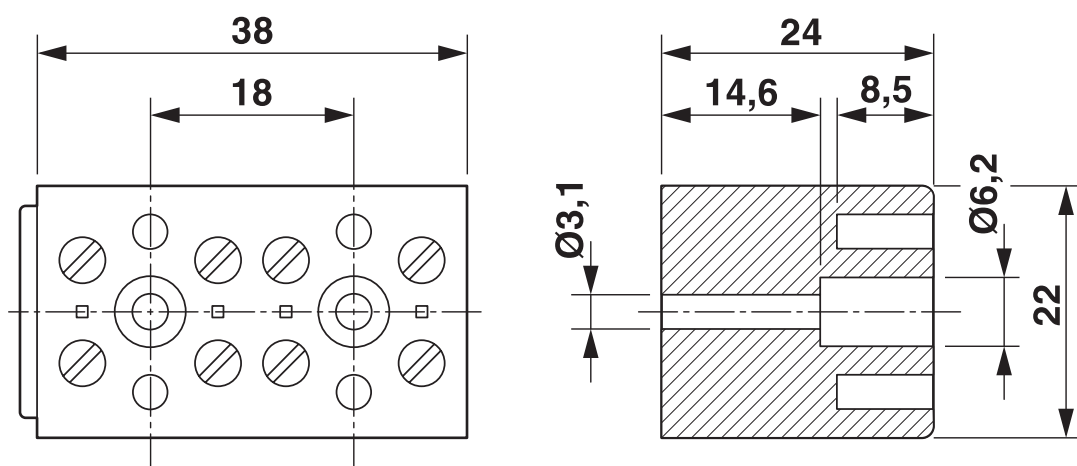


Drawings

Circuit diagram



Dimensional drawing



G 5/ 4 - Device terminal block

2716046

<https://www.phoenixcontact.com/us/products/2716046>



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2716046>

	CSA Approval ID: 13631			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	300 V	30 A	26 - 10	-

	EAC Approval ID: RU C-DE.BL08.B.00534			
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	cULus Recognized Approval ID: E60425			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	300 V	30 A	26 - 10	-

Use group B				
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	NK Approval ID: 09 ME 142			
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	RS Approval ID: 22.44.01.00083.250			
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G 5/ 4 - Device terminal block



2716046

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Classifications

ECLASS

ECLASS-11.0	27141106
ECLASS-13.0	27141106
ECLASS-12.0	27141106

ETIM

ETIM 9.0	EC001284
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	afaf3197-00b5-42fb-b913-1cf17be21855

G 5/ 4 - Device terminal block

2716046

<https://www.phoenixcontact.com/us/products/2716046>



Accessories

BN WH - Marker for terminal blocks

1401404

<https://www.phoenixcontact.com/us/products/1401404>



Marker for terminal blocks, Stud, white, unlabeled, can be labeled with: Marker pen, mounting type: plug in, for terminal block width: 4.2 mm, lettering field size: 4 x 4 mm

WS-G5/4 - Warning label

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Warning plate, for the device terminal block G 5, completely covers the surface of the terminal block, 4-pos.

G 5/ 4 - Device terminal block

2716046

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SZS 0,6X3,5 - Screwdriver

1205053

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Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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