

0709563
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Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Screw connection with tension sleeve, number of positions: 1, load current: 101 A, cross section: 6 mm² - 35 mm², width: 15.1 mm, color: gray

Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Tool-free snap-in principle enables easy mounting on the device panel
- Automatic panel thickness compensation enables universal use

Commercial data

Item number	0709563
Packing unit	1 pc
Sales key	AA28
Product key	AA1EAE
Catalog page	Page 623 (C-1-2013)
GTIN	4017918117061
Weight per piece (including packing)	93.384 g
Weight per piece (excluding packing)	91.5 g
Customs tariff number	85369010
Country of origin	GR

HDFKV 25-TWIN - Panel feed-through terminal block



0709563

<https://www.phoenixcontact.com/us/products/0709563>

Technical data

Product properties

Product type	Panel feed-through terminal block
Product family	HDFKV 25-TWIN
Number of positions	1
Pitch	15.1 mm
Number of connections	3
Number of rows	1
Number of potentials	1

Data management status

Article revision	03
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Nominal current I_N	101 A
Nominal voltage U_N	500 V
Rated voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV

Connection data

Connection technology

Nominal cross section	25 mm ²
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Conductor connection exterior

Connection method	Screw connection with tension sleeve
Conductor cross section rigid	6 mm ² ... 35 mm ²
Conductor cross section flexible	10 mm ² ... 25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm ² ... 25 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm ² ... 25 mm ²
2 conductors with same cross section, solid	2.5 mm ² ... 10 mm ²
2 conductors with same cross section, flexible	4 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm ² ... 10 mm ²
Internal cylindrical gage	B8
Stripping length	19 mm
Tightening torque	4 Nm ... 4.5 Nm

Conductor connection interior

HDFKV 25-TWIN - Panel feed-through terminal block



0709563

<https://www.phoenixcontact.com/us/products/0709563>

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	0 °
Conductor cross section rigid	6 mm ² ... 35 mm ²
Conductor cross section flexible	10 mm ² ... 25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm ² ... 25 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm ² ... 25 mm ²
2 conductors with same cross section, solid	2.5 mm ² ... 10 mm ²
2 conductors with same cross section, flexible	4 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm ² ... 10 mm ²
Internal cylindrical gage	B8
Stripping length	19 mm
Tightening torque	4 Nm ... 4.5 Nm

Material specifications

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	tin-plated

Material data - housing

Color (Housing)	gray (7042)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

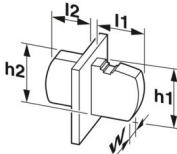
Notes

Safety note

Safety note	<ul style="list-style-type: none">• Only electrically qualified personnel may install and operate the product. To recognize and prevent danger, the qualified personnel must be familiar with the basics of electrical engineering.• Observe the technical data provided here and refer to the documents listed under "Downloads". The download area contains important information, such as installation notes, technical drawings, and 3D data.• The cable entry funnel is not safe to touch. Never connect or
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	disconnect the terminal when it is energized. Take appropriate steps to ensure touch protection.
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Dimensions

Dimensional drawing	
Pitch	15.1 mm
Width [w]	15.1 mm
Height [h]	56.4 mm

External dimensions

Width [w]	15.1 mm
Height [h1]	56.4 mm
Length [l1]	44.5 mm

Internal dimensions

Width [w]	15.1 mm
Height [h2]	45 mm
Length [l2]	30 mm

Electrical tests

Air clearances and creepage distances | 1. Insulation coordination

Insulating material group	I
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV
minimum clearance value - non-homogenous field (III/3)	5.5 mm
minimum creepage distance (III/3)	6.3 mm

Packaging specifications

Type of packaging	packed in cardboard
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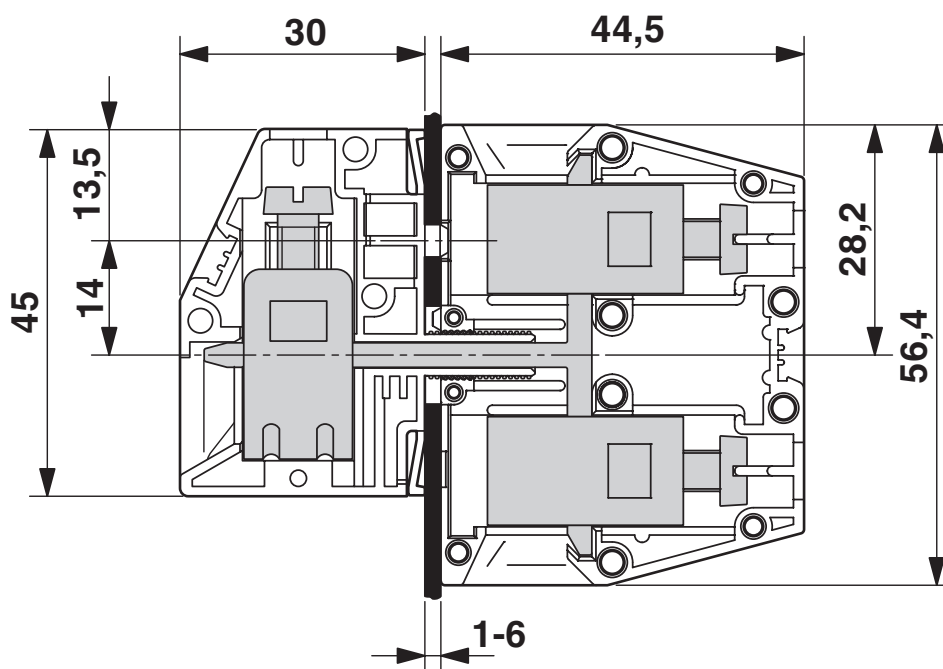


0709563

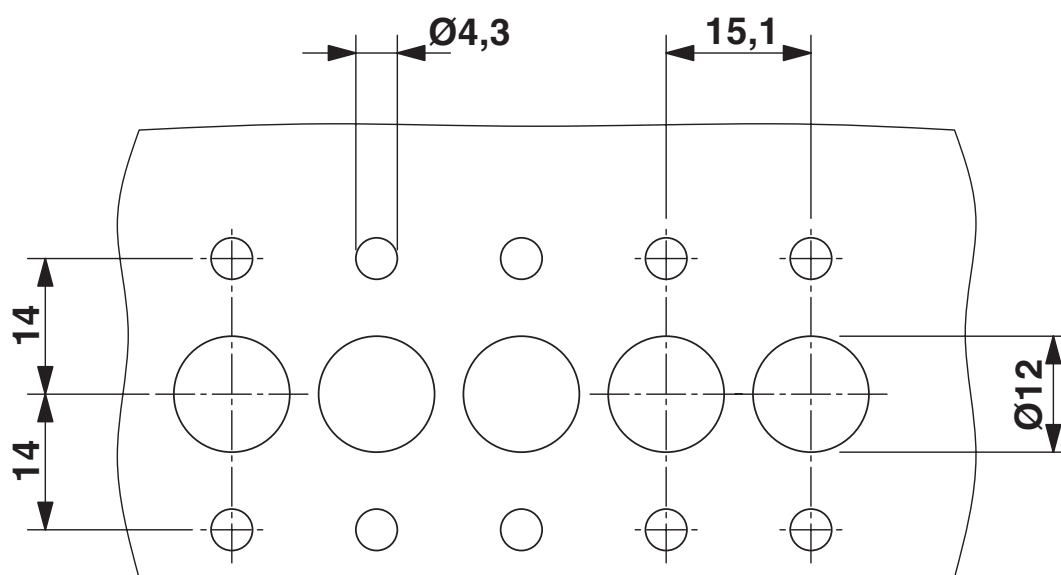
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Drawings

Dimensional drawing



Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0709563>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	100 A	8 - 2	-
Use group C				
	600 V	100 A	8 - 2	-

 UL Recognized Approval ID: E60425-19890329				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	115 A	8 - 2	-
Use group C				
	600 V	115 A	8 - 2	-

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Classifications

ECLASS

ECLASS-11.0	27141134
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ETIM

ETIM 8.0	EC001283
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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	0a90859a-c81d-492e-9e69-e78236f1abcc