

PCB terminal block - GKDS/E - 1709025

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB terminal block, Nominal current: 24 A, Nom. voltage: 630 V, Pitch: 7.5 mm, Number of positions: 1, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

Product Features

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Quick and convenient testing using integrated test option
- Two solder pins reduce the mechanical strain on the soldering spots
- The latch on the side enables various numbers of positions to be combined

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 023584
Weight per Piece (excluding packing)	4.54 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length	19 mm
Pitch	7.50 mm
Width	7.5 mm
Constructional height	20 mm
Height	19.5 mm
Length of the solder pin	5 mm
Pin dimensions	1,1 X 0,8 mm
Hole diameter	1.4 mm

General

Range of articles	GKDS/E
Insulating material group	I

PCB terminal block - GKDS/E - 1709025

Technical data

General

Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	500 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	24 A
Nominal cross section	2.5 mm ²
Maximum load current	32 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V2
Internal cylindrical gage	A3
Stripping length	9 mm
Number of positions	1
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²

PCB terminal block - GKDS/E - 1709025

Technical data

Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V2

Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals

PCB terminal block - GKDS/E - 1709025

Approvals

Approvals

CSA / UL Recognized / SEV / LR / CCA / EAC

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm ² /AWG/kcmil	22-12
Nominal current IN	10 A
Nominal voltage UN	300 V

UL Recognized 	
B	C
mm ² /AWG/kcmil	30-14
Nominal current IN	15 A
Nominal voltage UN	250 V
	50 V
	300 V

SEV	
mm ² /AWG/kcmil	4
Nominal voltage UN	500 V

LR	

CCA	
mm ² /AWG/kcmil	4

PCB terminal block - GKDS/E - 1709025

Approvals

Nominal voltage UN	500 V

EAC

Accessories

Accessories

Insertion bridge

Insertion bridge - EB 2- BK 4 - 0801157



Insertion bridge, 2-pos., for strip terminal block, BK 4

Insertion bridge - EB 3- BK 4 - 0801144



Insertion bridge, 3-pos., for strip terminal block, BK 4

Insertion bridge - EB 10- BK 4 - 0801131



Insertion bridge, 10-pos., for strip terminal block, BK 4

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

PCB terminal block - GKDS/E - 1709025

Accessories

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



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

Terminal marking

Marker pin Zack strip - BN-ZB 7,5/WH:UNBEDRUCKT - 1401844



Marker pin Zack strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Plug in, for terminal block width: 7.5 mm, Lettering field: 6 x 4 mm

Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

PCB terminal block - GRZ/E 2,5 - 1709054

PCB terminal block - GKDS/E - 1709025

Accessories

PCB terminal block - TP-KDS/GKDS - 1701793



PCB terminal block, Number of positions: 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1709025](#)