


PCB terminal block - GKDS/E BU - 1709096

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: blue, The article can be aligned to create different nos. of positions!

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 017918 023607 |
| Weight per Piece (excluding packing) | 4.55 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 |
| 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 |

PCB terminal block - GKDS/E BU - 1709096

Technical data

General

| | |
|--|---------------------|
| 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 |
| 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 |

PCB terminal block - GKDS/E BU - 1709096

Technical data

Standards and Regulations

| | |
|--|----|
| 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

Approvals

CSA / UL Recognized / SEV / CCA / EAC


Ex Approvals


Approvals submitted

PCB terminal block - GKDS/E BU - 1709096

Approvals

Approval details

| | |
|---|-------|
| CSA  | |
| mm²/AWG/kcmil | 22-12 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

| | | | |
|---|-------|-------|-------|
| UL Recognized  | | | |
| | B | C | D |
| mm²/AWG/kcmil | 30-14 | 30-14 | 30-14 |
| Nominal current I _N | 15 A | 15 A | 10 A |
| Nominal voltage U _N | 250 V | 50 V | 300 V |

| | |
|--------------------------------|-------|
| SEV | |
| mm²/AWG/kcmil | 4 |
| Nominal voltage U _N | 500 V |

| | |
|--------------------------------|-------|
| CCA | |
| mm²/AWG/kcmil | 4 |
| Nominal voltage U _N | 500 V |

| |
|-----|
| EAC |
|-----|

Accessories

Accessories

Insertion bridge

PCB terminal block - GKDS/E BU - 1709096

Accessories

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

Labeled terminal marker

Marker pin Zack strip - BNB-ZB 7,5,LGS:FORTL.ZAHLEN - 1400052



Marker pin Zack strip, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Plug in, for terminal block width: 7.5 mm, Lettering field: 6 x 4 mm

Marker card - SK 7,5/5:FORTL.ZAHLEN - 0804468



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Adhesive, for terminal block width: 7.5 mm, Lettering field: 7.5 x 5 mm

PCB terminal block - GKDS/E BU - 1709096

Accessories

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

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

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 BU - 1709106

PCB terminal block - GKDS/E BU - 1709096

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:

1709096