

PCB terminal block - SMKDS 2,5/ 7-5,08 - 1766174

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://download.phoenixcontact.com>)



PCB terminal block, Nominal current: 20 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 7, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 40 °, Color: green

The illustration shows the 3-pos. version

Product Features

- PCB terminal block with 40° angled connection direction
- 5.08 mm pitch
- Screwdriver axis vertical to the PCB

Key commercial data

| | |
|------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|----------------|------------|
| Length | 14.25 mm |
| Pitch | 5.08 mm |
| Dimension a | 30.48 mm |
| Pin dimensions | 1 x 0,9 mm |
| Hole diameter | 1.4 mm |

General

| | |
|-----------------------------|-----------|
| Range of articles | SMKDS 2,5 |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 250 V |
| Rated voltage (III/2) | 400 V |

PCB terminal block - SMKDS 2,5/ 7-5,08 - 1766174

Technical data

General

| | |
|----------------------------------|---------------------|
| Rated voltage (U/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I _N | 20 A |
| Nominal cross section | 2.5 mm ² |
| Solder pin surface | Sn |
| Internal cylindrical gage | A3 |
| Stripping length | 11 mm |
| Number of positions | 7 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Connection data

| | |
|---|----------------------|
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 14 |
| 2 conductors with same cross section, solid min. | 0.14 mm ² |
| 2 conductors with same cross section, solid max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded max. | 0.75 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. | 0.75 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. | 1.5 mm ² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141111 |
| 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 |

PCB terminal block - SMKDS 2,5/ 7-5,08 - 1766174

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 8.0 | 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 / cUL Recognized / GOST / CCA / IEC CB Scheme / GOST / SEV / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | | |
|---|-------|-------|
| CSA  | | |
| | B | D |
| mm ² /AWG/kcmil | 28-12 | 28-12 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 300 V | 300 V |

PCB terminal block - SMKDS 2,5/ 7-5,08 - 1766174

Approvals

| | | |
|--------------------------------|-------|-------|
| UL Recognized | | |
| | B | D |
| mm ² /AWG/kcmil | 30-12 | 30-12 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 250 V | 300 V |

| | |
|--------------------------------|-------|
| SEV | |
| mm ² /AWG/kcmil | 2.5 |
| Nominal current I _N | 24 A |
| Nominal voltage U _N | 250 V |

| | | |
|--------------------------------|-------|-------|
| cUL Recognized | | |
| | B | D |
| mm ² /AWG/kcmil | 30-12 | 30-12 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 250 V | 300 V |

| |
|------|
| GOST |
|------|

| |
|-----|
| CCA |
|-----|

| |
|-----------------|
| IECEE CB Scheme |
|-----------------|

| |
|------|
| GOST |
|------|

PCB terminal block - SMKDS 2,5/ 7-5,08 - 1766174

Approvals

| | |
|--------------------------------|-------|
| SEV | |
| | |
| mm ² /AWG/kcmil | 2.5 |
| Nominal current I _N | 24 A |
| Nominal voltage U _N | 250 V |

