

## PCB terminal block - GKDS/E A0 BK - 1706015

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: 24 A, Nom. voltage: 630 V, Pitch: 7.5 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: black

### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	4.6 GRM
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	19 mm
Height	19.5 mm
Pitch	7.5 mm
Pin dimensions	1,1 X 0,8 mm
Hole diameter	1.4 mm

#### General

Range of articles	GKDS/E
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 <sup>2</sup>
Solder pin surface	Sn
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

## PCB terminal block - GKDS/E A0 BK - 1706015

### Technical data

#### Connection data

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

### 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

#### 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

# PCB terminal block - GKDS/E A0 BK - 1706015

## Approvals

### Approvals

---

#### Approvals

CSA / UL Recognized / SEV / CCA / GOST / GOST

---


#### Ex Approvals


---

#### Approvals submitted

---

### Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	22-12
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	300 V

UL Recognized 			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	30-14	30-14	30-14
Nominal current I <sub>N</sub>	15 A	15 A	10 A
Nominal voltage U <sub>N</sub>	250 V	50 V	300 V

SEV	
mm <sup>2</sup> /AWG/kcmil	4
Nominal voltage U <sub>N</sub>	500 V

CCA	
mm <sup>2</sup> /AWG/kcmil	4

## PCB terminal block - GKDS/E A0 BK - 1706015

### Approvals

Nominal voltage UN	500 V
--------------------	-------

GOST 

GOST 