Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

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)



The figure shows a 5-pos. version of the product

PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

Why buy this product

- Compact high-capacity PCB terminal blocks with screw connection up to 16 mm², stranded, and a current carrying capacity of 76 A
- 10.16 mm pitch
- Unlimited 600 V UL approval thanks to zigzag pinning
- Terminal block bases that can be mounted side by side to create any number of positions

Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 373 (CC-2011)
GTIN	4 046356 074186
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

Dimensions / positions

Length	18.8 mm
Height	31 mm
Pitch	10.16 mm
Dimension a	30.48 mm
Number of positions	4
Pin dimensions	1 x 0,9 mm
Hole diameter	1.5 mm
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Technical data

Technical data

Range of articles	MKDS 10 HV
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV
Rated voltage (III/3)	800 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current IN	76 A
Nominal cross section	10 mm²
Maximum load current	76 A (with 16 mm2 conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 6
Stripping length	10 mm
Nominal voltage, UL/CUL Use Group B	600 V
Nominal current, UL/CUL Use Group B	60 A
Nominal voltage, UL/CUL Use Group C	600 V
Nominal current, UL/CUL Use Group C	60 A

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	16 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm²

Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	6

Classifications

eclass

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

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

UL Recognized / SEV / cUL Recognized / IECEE CB Scheme / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Approvals

UL Recognized

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	60 A	60 A
Nominal voltage UN	600 V	600 V

SEV

mm²/AWG/kcmil	16
Nominal voltage UN	800 V

cUL Recognized

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	60 A	60 A
Nominal voltage UN	600 V	600 V

IECEE CB Scheme

GOST

cULus Recognized

Accessories

Accessories

Tools

Screwdriver - SZS 0,6X3,5 - 1205053

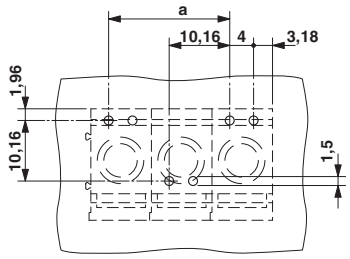


Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

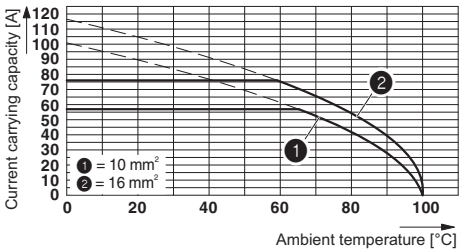
Single PCB terminal block - MKDS 10 HV/ 4-ZB-10.16 - 1709704

Drawings

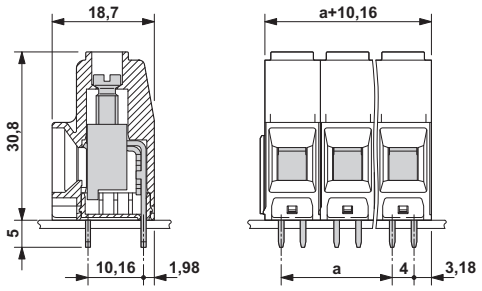
Drilling diagram



Diagram



Dimensioned drawing



The illustration shows the dimensional drawing of the 3-pos. version of the product

© Phoenix Contact 2012 - all rights reserved
http://www.phoenixcontact.com