

PCB terminal block - MKDS 5 HV/ 6-ZB-6,35 - 1724608

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: 41 A, Nom. voltage: 1000 V, Pitch: 6.35 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The illustration shows the 5-position version of the product



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	18.2 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length	15.85 mm
Height	32 mm
Pitch	6.35 mm
Dimension a	31.75 mm
Pin dimensions	0,9 x 0,9
Pin spacing	9 mm
Hole diameter	1.3 mm

General

Range of articles	MKDS 5 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

PCB terminal block - MKDS 5 HV/ 6-ZB-6,35 - 1724608

Technical data

General

Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	41 A (with 6 mm ² conductor cross section)
Nominal cross section	4 mm ²
Maximum load current	41 A (with 6 mm ² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	8 mm
Number of positions	6
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.	6 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
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.	1.5 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.	2.5 mm ²
Minimum AWG according to UL/CUL	24

PCB terminal block - MKDS 5 HV/ 6-ZB-6,35 - 1724608

Technical data

Connection data

Maximum AWG according to UL/CUL	10
---------------------------------	----

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

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 / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

PCB terminal block - MKDS 5 HV/ 6-ZB-6,35 - 1724608

Approvals

UL Recognized

	B	C
mm ² /AWG/kcmil	24-10	24-10
Nominal current I _N	30 A	30 A
Nominal voltage U _N	600 V	600 V

cUL Recognized

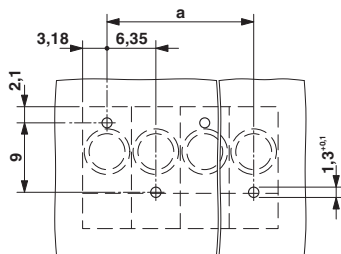
	B	C
mm ² /AWG/kcmil	24-10	24-10
Nominal current I _N	30 A	30 A
Nominal voltage U _N	600 V	600 V

GOST

cULus Recognized

Drawings

Drilling diagram



Dimensioned drawing

