

MKDS 5N HV/ 5-ZB-6,35

Order No.: 1777574

The illustration shows the 5-pos. version

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1777574>

PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V,
Pitch: 6.35 mm, Number of positions: 5, Connection method: Screw
connection, Mounting: Soldering, Conductor/PCB connection direction:
0 °, Color: green

Commercial data

EAN	 4 046356 522359
sales group	E510
Pack	50 Pcs.
Customs tariff	85369010
Gross weight in pieces	0.016435 KG
Net weight per piece	0.016435 KG
Catalog page information	Page 445 (C-1-2013)

Product notesWEEE/RoHS-compliant since:
08/03/2009

[http://
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)
Please note that the data given
here has been taken from the
online catalog. For comprehensive
information and data, please refer
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Technical data**Dimensions**

Length	15.85 mm
Height	32 mm
Pitch	6.35 mm
Dimension a	25.4 mm

Pin dimensions	0,9 x 0,9 mm
Pin spacing	9 mm
Hole diameter	1.3 mm

General

Range of articles	MKDS 5 N 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 I_N	41 A
Nominal cross section	4 mm ²
Maximum load current	41 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	8 mm
Number of positions	5
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.	0.2 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	30
Maximum AWG according to UL/CUL	10

Certificates / Approvals



Certification

cULus Recognized, GOST, SEV, CCA

Certifications applied for:

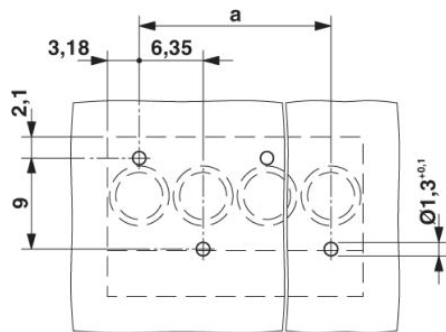
Certification Ex:

Accessories

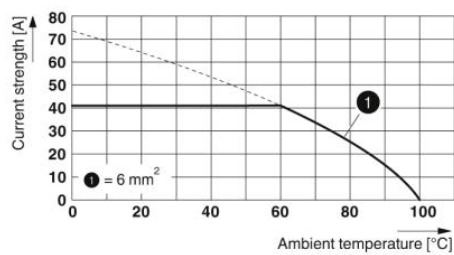
Item	Designation	Description
Tools		
1205053	SZS 0,6X3,5	Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Drawings

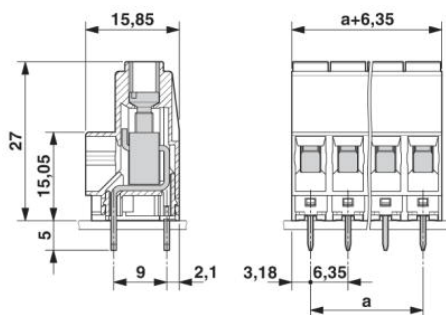
Drilling plan/solder pad geometry



Diagram



Dimensioned drawing



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