25-07145

PCB terminal block - MKDS 5N HV/ 3-ZB-6,35 - 1777558

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The illustration shows the 5-pos. version

PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 6.35 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

Product Features

- Versions with anti-rotation pins (MKDSV, recommended for 2-pos. connections)
- MKDS 5N HV high-voltage PCB terminal blocks with increased clearances and creepage distances
- Unlimited 600 V UL approval thanks to compact zigzag pinning (MKDS 5N HV/...ZB-6,35 and MKDS 5 HV/...-9,52-Z)

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	40.0 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	15.85 mm
Pitch	6.35 mm
Dimension a	12.7 mm
Width	19.05 mm
Constructional height	27 mm
Height	32 mm
Length of the solder pin	5 mm
Pin dimensions	0,9 x 0,9 mm
Pin spacing	9 mm

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Technical data

Dimensions

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 mm²
Maximum load current	41 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	8 mm
Number of positions	3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.2 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²

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Technical data

Connection data

2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm²
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.	2.5 mm²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

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

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Approvals

Approvals

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UL Recognized / cUL Recognized / SEV / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

	B	C
mm²/AWG/kcmil	30-10	30-10
Nominal current IN	30 A	30 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm²/AWG/kcmil	30-10	30-10
Nominal current IN	30 A	30 A
Nominal voltage UN	600 V	600 V

SEV

mm²/AWG/kcmil	4
Nominal voltage UN	1000 V

CCA

mm²/AWG/kcmil	4

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Approvals

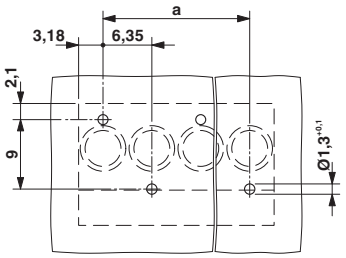
Nominal voltage UN	1000 V

EAC

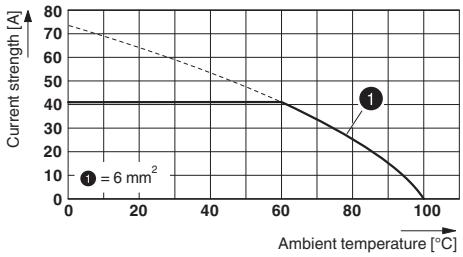
cULus Recognized

Drawings

Drilling diagram



Diagram



Type: MKDS 5N HV/...-ZB-6,35
Tested in accordance with DIN EN 60512-5-2:2003-01
Reduction factor = 1
Number of positions: 5

Dimensional drawing