



**THE DATASHEET OF  
1904150**



## PCB terminal block - MKDS 5 HV/3-9.52 - 1904150

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PC terminal block, Nominal current: 32 A, Nom. voltage: 1000 V, Pitch: 9.52 mm, Number of positions: 3, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

The figure shows a 2-pos. version of the product

### Why buy this product

- ✓ Versions with anti-rotation pins (MKDSV, recommended for 2-pos. connections)
- ✓ MKDS 5N HV high-voltage PCB terminal blocks with increased air 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
Minimum order quantity	1
Catalog page	Page 365 (CC-2011)
GTIN	 4 017918 187613
Custom tariff number	85369010
Country of origin	POLAND

### Technical data

#### Dimensions / positions

Length	28.56 mm
Height	21.5 mm
Width	16 mm
Pitch	9.52 mm
Dimension a	19.04 mm
Number of positions	3
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

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## Technical data

### Technical data

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)	6 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 $I_N$	32 A
Nominal cross section	4 mm <sup>2</sup>
Maximum load current	32 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	8 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	30 A
Nominal voltage, UL/CUL Use Group C	300 V
Nominal current, UL/CUL Use Group C	30 A
Nominal voltage, UL/CUL Use Group D	600 V
Nominal current, UL/CUL Use Group D	5 A

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
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 <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.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 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.	2.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	10

## 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

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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# PCB terminal block - MKDS 5 HV/3-9.52 - 1904150

## Approvals

### Approval details

UL Recognized

	B	C	D
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	30-10
Nominal current I <sub>N</sub>	30 A	30 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

SEV

mm <sup>2</sup> /AWG/kcmil	6
Nominal voltage U <sub>N</sub>	690 V

cUL Recognized

	B	C	D
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	30-10
Nominal current I <sub>N</sub>	30 A	30 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

GOST

CCA

IECEE CB Scheme

GOST

cULus Recognized

## Accessories

### Accessories

### Marking

# PCB terminal block - MKDS 5 HV/3-9.52 - 1904150

## Accessories

Marker cards - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office-Drucksysteme, Mounting type: Adhesive

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

## Tools

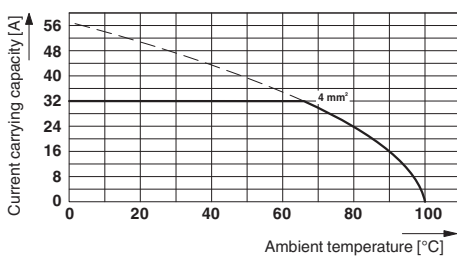
Screwdriver - SZS 0,6X3,5 - 1205053



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

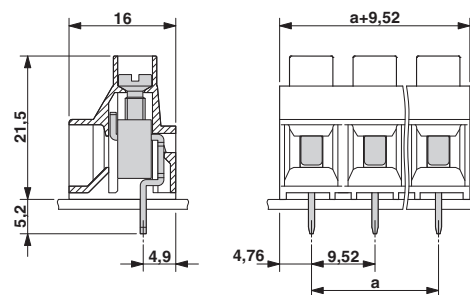
## Drawings

### Diagram



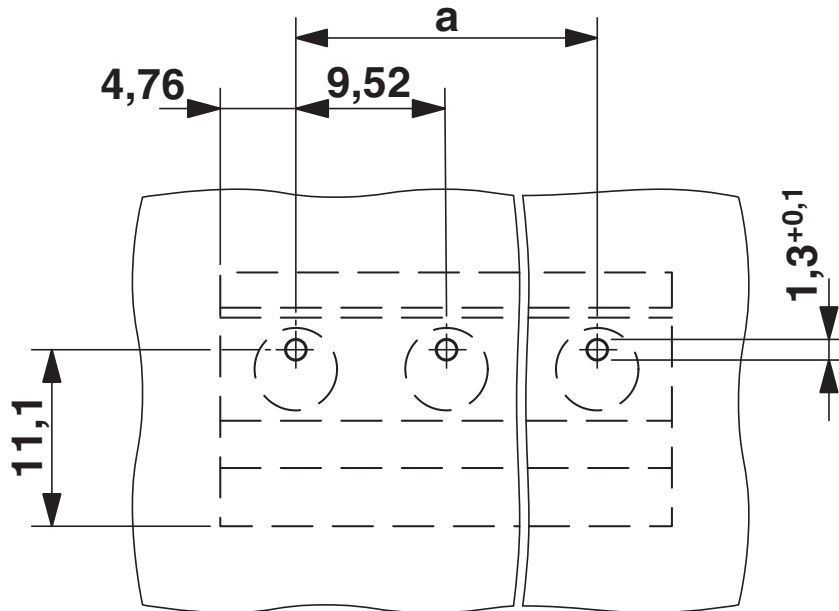
Type: MKDS 5 HV/2-9,52 and MKDS 5 HV/3-9,52  
Test following DIN EN 60512-5-2:2003-01  
Reduction factor = 1  
No. of positions: 5

### Dimensioned drawing



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Drilling diagram





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