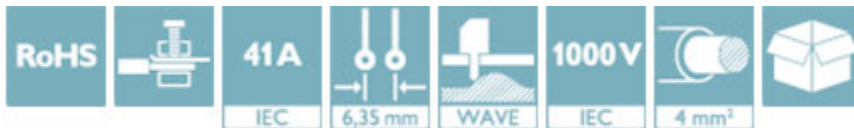


## PCB terminal block - MKDS 5N HV/10-ZB-6,35 BK - 1777707

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PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 6.35 mm, Number of positions: 10, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: black



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	 4 046356 522588
GTIN	4046356522588
Weight per Piece (excluding packing)	32.800 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### Dimensions

Length	15.85 mm
Pitch	6.35 mm
Dimension a	57.15 mm
Constructional height	27 mm
Height	32 mm
Length of the solder pin	5 mm
Pin dimensions	0,9 x 0,9
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

# PCB terminal block - MKDS 5N HV/10-ZB-6,35 BK - 1777707

## Technical data

### General

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 <sub>N</sub>	41 A
Nominal cross section	4 mm <sup>2</sup>
Maximum load current	41 A (with 6 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	8 mm
Number of positions	10
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 <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG 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>
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>

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

# PCB terminal block - MKDS 5N HV/10-ZB-6,35 BK - 1777707

## Technical data

### Standards and Regulations

Flammability rating according to UL 94	V0
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### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Approvals


### Approvals

#### Approvals

SEV / CCA / EAC / cULus Recognized

#### Ex Approvals

### Approval details


SEV		<a href="https://www.electrosuisse.ch/en/meta/shop/product-certificates.html">https://www.electrosuisse.ch/en/meta/shop/product-certificates.html</a>	IK-3248
mm <sup>2</sup> /AWG/kcmil	4		
Nominal current I <sub>N</sub>	32 A		
Nominal voltage U <sub>N</sub>	1000 V		

CCA			IK-3249
mm <sup>2</sup> /AWG/kcmil	4		
Nominal voltage U <sub>N</sub>	1000 V		

EAC		B.01742	
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### Approvals

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	E60425-19770427
	B	C	
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	
Nominal current I <sub>N</sub>	30 A	30 A	
Nominal voltage U <sub>N</sub>	600 V	600 V	