

## PCB terminal block - MKDSP 10N/ 2-10,16 - 1773976

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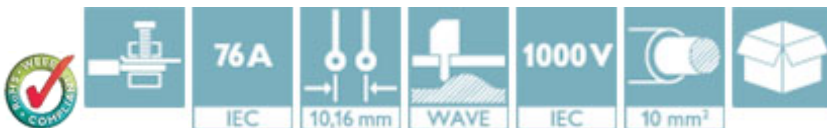


PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

The figure shows a 5-pos. version of the product

### Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Quick and convenient testing using integrated test option
- The latch on the side enables various numbers of positions to be combined
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



### Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 481427
Weight per Piece (excluding packing)	15.33 g
Country of origin	Poland

### Technical data

#### Dimensions

Length	18.4 mm
Pitch	10.16 mm
Dimension a	10.16 mm
Width	20.32 mm
Constructional height	29.3 mm
Height	34.3 mm
Length of the solder pin	5 mm

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## Technical data

### Dimensions

Pin dimensions	1 x 0,9 mm
Hole diameter	1.5 mm

### General

Range of articles	MKDSP 10N
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)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	76 A
Nominal cross section	10 mm <sup>2</sup>
Maximum load current	76 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	B6
Stripping length	10 mm
Number of positions	2
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 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.	6 mm <sup>2</sup>

### 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
eCl@ss 9.0	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

# PCB terminal block - MKDSP 10N/ 2-10,16 - 1773976

## Approvals


Approvals

VDE Gutachten mit Fertigungsüberwachung / CCA / IECCE CB Scheme / EAC / EAC / cULus Recognized


Ex Approvals

Approvals submitted

## Approval details

VDE Gutachten mit Fertigungsüberwachung 	
mm <sup>2</sup> /AWG/kcmil	0.5-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

CCA	
mm <sup>2</sup> /AWG/kcmil	0.5-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	0.5-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

EAC
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EAC
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cULus Recognized			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	20-6	20-6	20-6
Nominal current IN	60 A	60 A	5 A

## PCB terminal block - MKDSP 10N/ 2-10,16 - 1773976

### Approvals

	B	C	D
Nominal voltage UN	300 V	300 V	600 V

### Accessories

#### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

Crimping pliers - CRIMPFOX 16 S - 1207983



Crimping pliers for ferrules up to 16 mm<sup>2</sup>

#### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

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### Accessories

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

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Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

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Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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### Screwdriver tools

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## Accessories

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

## Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

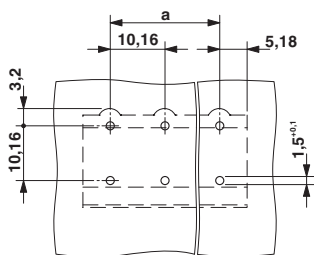
Reducing plug - RPS - 0201647



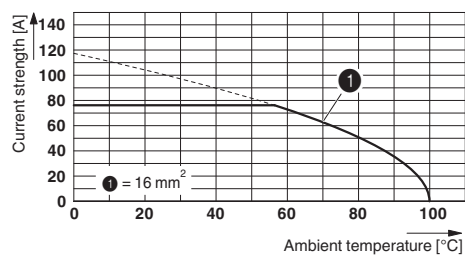
Reducing plug, Color: gray

## Drawings

Drilling diagram



Diagram



Type: MKDSP 10N/...-10,16  
Tested in accordance with DIN EN 60512-5-2:2003-01  
Reduction factor = 1  
No. of positions: 5

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Dimensional drawing

