PCB terminal block - MKDSP 10N/ 3-10,16 - 1774137

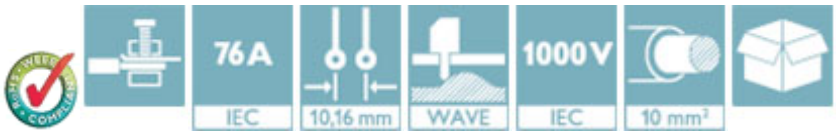
Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

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

PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 3, 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!

Why buy this product

- Integrated test connection
- High-capacity PCB terminal blocks with screw connection up to 16 mm², stranded, and a current carrying capacity of 76 A
- Terminal block bases that can be mounted side by side to create any number of positions
- Individual adjustment of voltage requirements using RZ pitch spacers



Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 046356 481588
Weight per Piece (excluding packing)	21.86 g
Country of origin	Poland

Technical data

Dimensions

Length	18.4 mm
Pitch	10.16 mm
Dimension a	20.32 mm
Width	30.48 mm
Constructional height	29.3 mm
Height	34.3 mm
Length of the solder pin	5 mm
Pin dimensions	1 x 0,9 mm
Hole diameter	1.5 mm

PCB terminal block - MKDSP 10N/ 3-10,16 - 1774137

Technical data

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 mm²
Maximum load current	76 A (with 16 mm² conductor cross section)
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	3
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	4 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	4 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm²

PCB terminal block - MKDSP 10N/ 3-10,16 - 1774137

Technical data

Connection data

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.	6 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
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

Approvals

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

Ex Approvals

PCB terminal block - MKDSP 10N/ 3-10,16 - 1774137

Approvals

Approvals submitted

Approval details

VDE Gutachten mit Fertigungsüberwachung

mm²/AWG/kcmil	0.5-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

CCA

mm²/AWG/kcmil	0.5-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

IECEE CB Scheme

mm²/AWG/kcmil	0.5-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

EAC

EAC

cULus Recognized

	B	C	D
mm²/AWG/kcmil	20-6	20-6	20-6
Nominal current IN	60 A	60 A	5 A
Nominal voltage UN	300 V	300 V	600 V

Accessories

Accessories

Crimping tool

PCB terminal block - MKDSP 10N/ 3-10,16 - 1774137

Accessories

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 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

---

Crimping pliers - CRIMPFOX 16 S - 1207983

Crimping pliers for ferrules up to 16 mm²

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, Color: red

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, Color: blue

PCB terminal block - MKDSP 10N/ 3-10,16 - 1774137

Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, Color: yellow

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, Color: green

Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, Color: gray

Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, Color: black

Screwdriver 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

Test plug terminal block

PCB terminal block - MKDSP 10N/ 3-10,16 - 1774137

Accessories

Test plugs - MPS-MT - 0201744

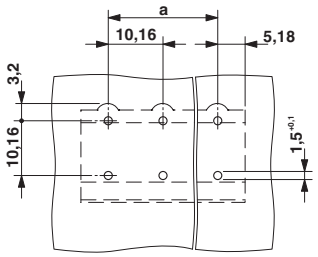
Test plugs, Color: silver

Reducing plug - RPS - 0201647

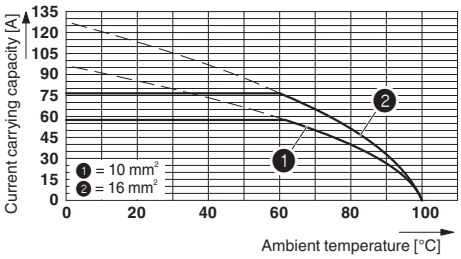
Reducing plug, Color: gray

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

Dimensional drawing