

PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

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://download.phoenixcontact.com>)



PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

Key commercial data

package_quantity	50
GTIN	4046356481687

Technical data

Dimensions

Length	18.8 mm
Height	31 mm
Pitch	10.16 mm
Dimension a	30.48 mm
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 ²
Maximum load current	76 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 6
Stripping length	10 mm

PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

Technical data

General

Number of positions	4
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 ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	16 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	4 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	6

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

PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

classifications

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

UL Recognized / cUL Recognized / GOST / VDE Gutachten mit Fertigungsüberwachung / CCA / IECEx CB Scheme / GOST / cULus Recognized /

Approval details

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

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

GOST 			
---	--	--	--

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	1000 V

PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

approvals

Nominal current IN	76 A
mm²/AWG/kcmil	0.5-16

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

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



cULus Recognized 	
---	--

accessories

Test plug terminal block

MPS-MT - 0201744



RPS - 0201647



PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

accessories

Screwdriver tools

SZS 0,6X3,5 - 1205053



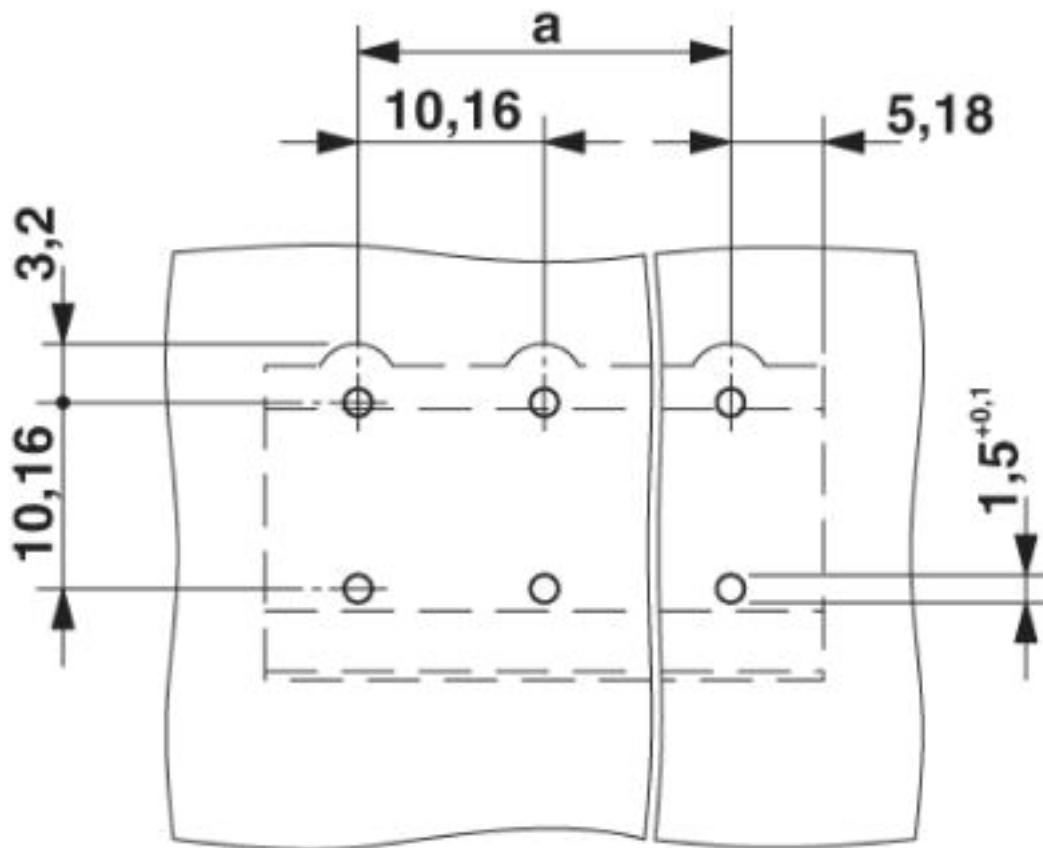
accessories

SK 10/5: 0-9 - 0804688

Drawings

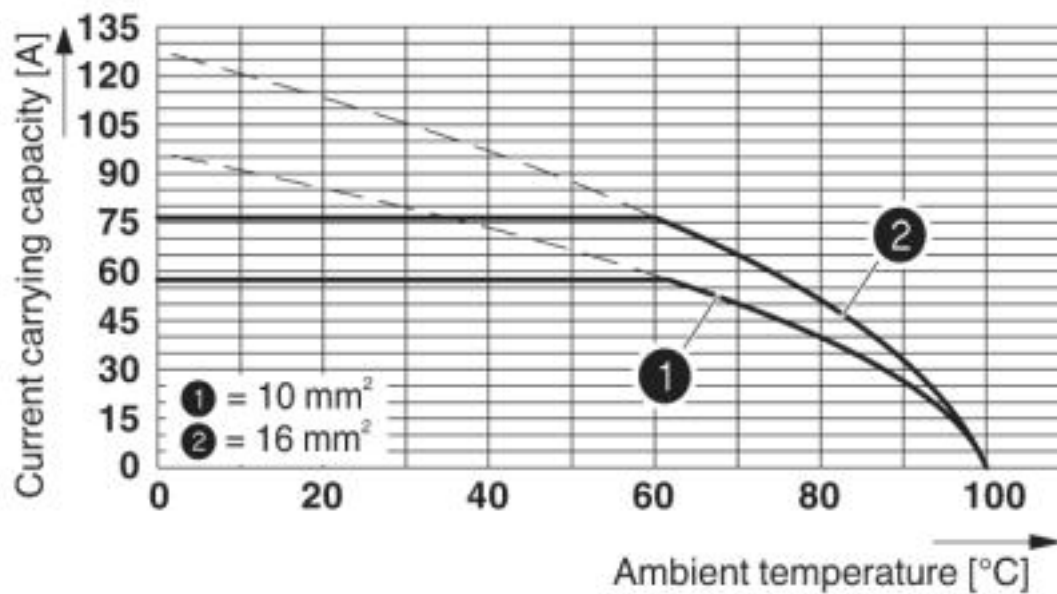
PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

Drilling diagram



PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

Diagram



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

Dimensioned drawing

