PCB terminal block - MKDSN 2,5/ 2-5,08 HT BK - 1985946

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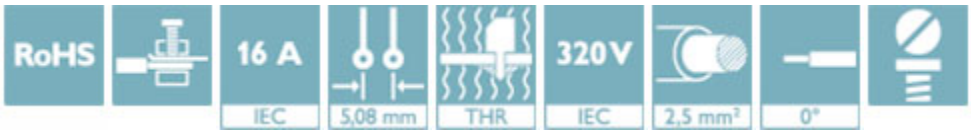
PCB terminal block, nominal current: 16 A, nom. voltage: 320 V, pitch: 5.08 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black. This article can be soldered in the reflow furnace together with SMD components.

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Extremely small design for the respective conductor cross section
- Designed for integration into the SMT soldering process
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	4 017918 929343
GTIN	4017918929343
Weight per Piece (excluding packing)	4.690 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length [l]	9.5 mm
Pitch	5.08 mm

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Technical data

Dimensions

Dimension a	5.08 mm
Width [w]	10.16 mm
Constructional height	15 mm
Height [h]	15 mm
Solder pin [P]	3.5 mm
Pin dimensions	0,8 x 0,9 mm
Pin spacing	5.08 mm
Hole diameter	1.3 mm

General

Range of articles	MKDSN 2,5/..-HT
Insulating material group	IIIa
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	200 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	16 A
Nominal cross section	2.5 mm²
Maximum load current	16 A (with a 2.5 mm² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	6.5 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²

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Technical data

Connection data

Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	0.75 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm²
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.	1.5 mm²

Standards and Regulations

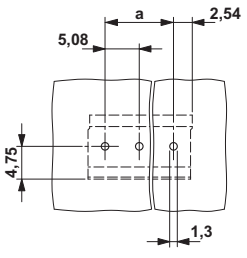
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

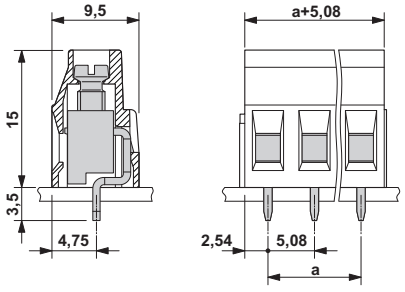
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Drilling diagram



Dimensional drawing



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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
ETIM 6.0	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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SEV / CCA / IECEE CB Scheme / EAC / cULus Recognized / CCA / IECEE CB Scheme / VDE report with production monitoring

Ex Approvals

Approval details

PCB terminal block - MKDSN 2,5/ 2-5,08 HT BK - 1985946

Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1

mm²/AWG/kcmil	2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

CCA	IK-2722

IECEE CB Scheme		http://www.iecee.org/	CH-8225

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	20 A	10 A
Nominal voltage UN	300 V	300 V

CCA	IK-2722

mm²/AWG/kcmil	2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

IECEE CB Scheme		http://www.iecee.org/	DE1-58859

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	24 A

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Approvals

Nominal voltage UN	250 V

VDE report with production monitoring	VDE	http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40018557

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293

Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

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