PCB terminal block - MKDSP 25/ 5-15,00-F - 1932520

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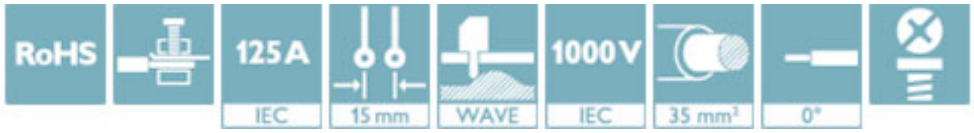
The figure shows a 5-pos. version of the product

PCB terminal block, nominal current: 125 A, nom. voltage: 1000 V, pitch: 15 mm, number of positions: 5, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green. Avoid placing permanent mechanical loads on the terminal

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
- Mounting flanges reduce the mechanical strain on the soldering spots
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



Key Commercial Data

Packing unit	25 STK
GTIN	4 017918 902216
GTIN	4017918902216

Technical data

Dimensions

Length [l]	31 mm
Pitch	15 mm
Dimension a	60 mm
Width [w]	105 mm
Constructional height	39 mm
Height [h]	43.5 mm
Solder pin [P]	4.5 mm
Pin dimensions	1,2 x 1,2 mm
Pin spacing	12.5 mm

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Technical data

Dimensions

Hole diameter	1.6 mm

General

Range of articles	MKDSP 25/..-F
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	125 A
Nominal cross section	35 mm²
Maximum load current	125 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	B7
Stripping length	18 mm
Number of positions	5
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	4.5 Nm
Note	Tightening torque ≤ 25 mm² is 2.5 Nm, > 25 mm² is 4.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	35 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	1 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	2
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²

PCB terminal block - MKDSP 25/ 5-15,00-F - 1932520

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Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 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.	16 mm²

Information on the aluminum conductor

Cross section-torque-form of cable	Cable cross section:35 mm²; Torque:4.5 Nm; Form of cable:round, single-strand, class 1(re)
	Cable cross section:25 mm²; Torque:2.5 Nm; Form of cable:round, single-strand, class 1(re)
	Cable cross section:16 mm²; Torque:2.5 Nm; Form of cable:round, single-strand, class 1(re)
Specification	DIN VDE 0276-603 (VDE 0276-603):2010-03
Note on conductor pretreatment	The following measures are required for durable and reliable contacting of the aluminum conductor: the stripped end of the aluminum conductor must be separated from the oxide layer using a blade, and immediately dipped in non-acid and non-alkali Vaseline. The pretreatment must be repeated when connecting the conductors anew.

Standards and Regulations

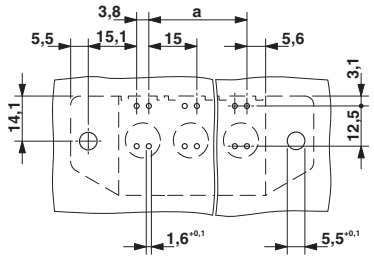
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

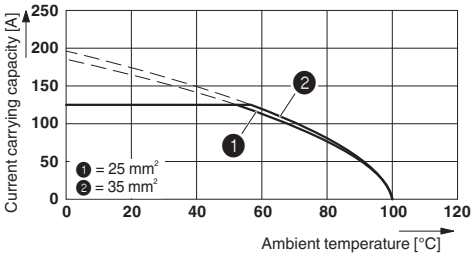
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Drilling diagram



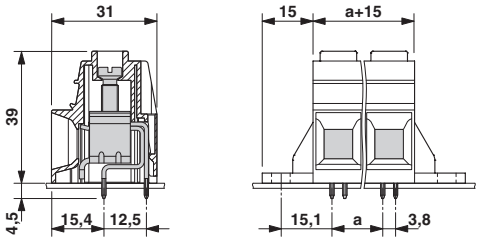
Diagram



Type: MKDSP 25/...-15,00
Tested in accordance with DIN EN 60512-5-2:2003-01
Reduction factor = 1
No. of positions: 5

PCB terminal block - MKDSP 25/ 5-15,00-F - 1932520

Dimensional drawing



Approvals

Approvals

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SEV / EAC / cULus Recognized / IECEE CB Scheme / VDE approval of drawings

Ex Approvals

Approval details

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

mm²/AWG/kcmil	35
Nominal current IN	125 A
Nominal voltage UN	1000 V

EAC		B.01742

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

	B	C
mm²/AWG/kcmil	20-2	20-2
Nominal current IN	115 A	115 A
Nominal voltage UN	600 V	600 V

PCB terminal block - MKDSP 25/ 5-15,00-F - 1932520

Approvals

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

mm²/AWG/kcmil	35
Nominal current IN	125 A
Nominal voltage UN	1000 V

VDE approval of drawings	VDE	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40041859

mm²/AWG/kcmil	0.5-35
Nominal current IN	125 A
Nominal voltage UN	1000 V

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