PCB terminal block - PLH 16/ 4-10-ZF - 1770487

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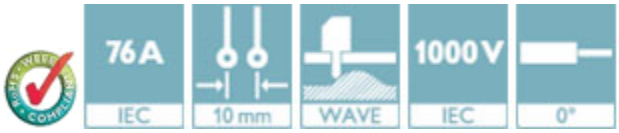
PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 4, Connection method: Push-lock spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

Product Features

- Fast connection technology thanks to the tool-free "one-hand tilting lever principle" or direct plug-in technology
- Color coding from position to position thanks to terminal blocks that can be mounted side by side and lever colors
- Conductor connection direction horizontal to the PCB
- Unlimited 600 V UL approval already available with 10 mm pitch with zigzag pinning
- PLH 16 push-lock spring-cage PCB terminal block with lever operation for conductor cross sections up to 16 mm² and a current carrying capacity of up to 76 A
- Low actuation forces



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
Weight per Piece (excluding packing)	33.6 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Pitch	10.00 mm
Dimension a	30 mm
Length of the solder pin	4.5 mm
Pin dimensions	1,2 x 1,2 mm
Pin spacing	12.5 mm
Hole diameter	1.6 mm

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Technical data

General

Range of articles	PLH 16/
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
Nominal current I_N	76 A
Nominal cross section	16 mm²
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	18 mm
Number of positions	4

Connection data

Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.75 mm²
Conductor cross section flexible max.	25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	4
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm²

Standards and Regulations

Connection in acc. with standard	UL
Flammability rating according to UL 94	V0

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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

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals

Approvals

UL Recognized / IECEE CB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized

	B	C
mm²/AWG/kcmil	18-6	18-6
Nominal current IN	51 A	51 A
Nominal voltage UN	600 V	600 V

IECEE CB Scheme

mm²/AWG/kcmil	0.75-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

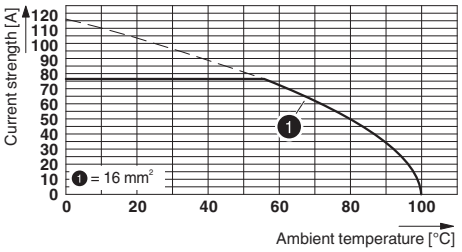
VDE Zeichengenehmigung

mm²/AWG/kcmil	0.75-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

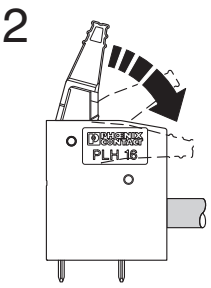
EAC

Drawings

Diagram



Functional drawing



Type: PLH 16/...-10-ZF
Tested in accordance with DIN EN 60512-5-2:2003-01
No. of positions: 5

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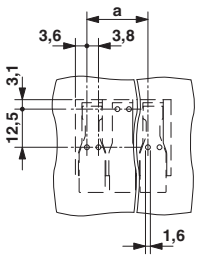
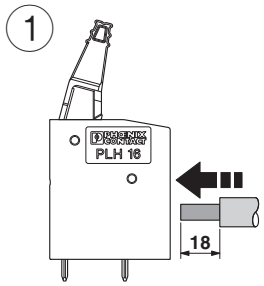
Conductor cross section: 16 mm² (exclusively for solid conductors)

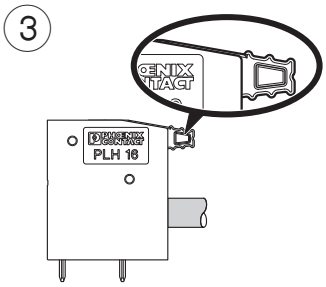
Drilling diagram



Functional drawing



Functional drawing



Functional drawing

Dimensional drawing