

PCB terminal block - PLH 16/ 6-10 - 1770432

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 400 V, Pitch: 10 mm, Number of positions: 6, Connection method: Push-lock spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

Product Features

- Color coding from position to position thanks to terminal blocks that can be mounted side by side and lever colors
- Fast connection technology thanks to the tool-free "one-hand tilting lever principle" or direct plug-in technology
- 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) | 50.0 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------------------|--------------|
| Pitch | 10.00 mm |
| Dimension a | 50 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) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 400 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 800 V |
| Nominal current I_N | 76 A |
| Nominal cross section | 16 mm ² |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 18 mm |
| Number of positions | 6 |

Connection data

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

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 / EAC

Ex Approvals

Approvals submitted

Approval details

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Approvals

| | | | |
|----------------------------|---|-------|-------|
| UL Recognized |  | | |
| | B | C | D |
| mm ² /AWG/kcmil | 18-6 | 18-6 | 18-6 |
| Nominal current IN | 51 A | 51 A | 10 A |
| Nominal voltage UN | 300 V | 150 V | 300 V |

| | |
|----------------------------|---|
| IECEE CB Scheme |  |
| mm ² /AWG/kcmil | 0.75-16 |
| Nominal current IN | 76 A |
| Nominal voltage UN | 400 V |

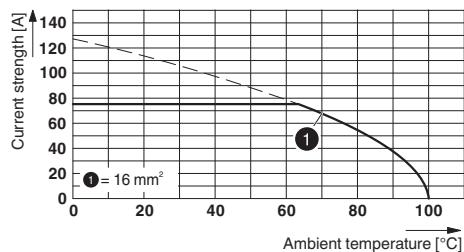
| | |
|----------------------------|---|
| VDE Zeichengenehmigung |  |
| mm ² /AWG/kcmil | 0.75-16 |
| Nominal current IN | 76 A |
| Nominal voltage UN | 400 V |

| |
|-----|
| EAC |
| EAC |

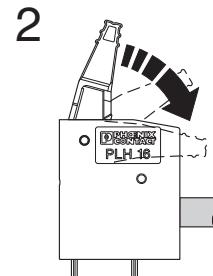
Drawings

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Diagram



Functional drawing



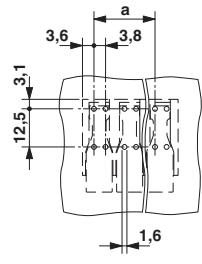
Type: PLH 16/...-10

Tested in accordance with DIN EN 60512-5-2:2003-01

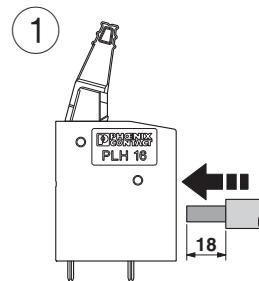
No. of positions: 5

Conductor cross section: 16 mm^2 (exclusively for solid conductors)

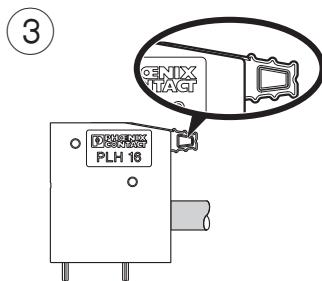
Drilling diagram



Functional drawing



Functional drawing

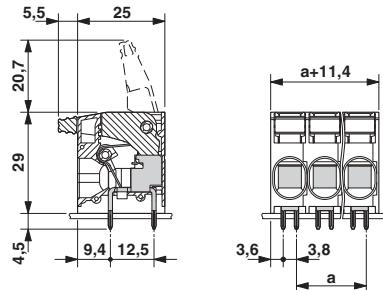


Functional drawing



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Dimensional drawing



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