

PCB terminal block - PLH 16/ 2-10 - 1770393

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 400 V, Pitch: 10 mm, Number of positions: 2, Connection method: Push-lock spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

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

Why buy this product

- ✓ Tool-free lever principle enables time-saving connection and release of conductors with/without ferrules
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Time-saving push-in connection when lever is closed
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 25 STK |
| Minimum order quantity | 25 STK |
| GTIN | |
| GTIN | 4046356458276 |
| Weight per Piece (excluding packing) | 14.990 g |
| Custom tariff number | 85369010 |
| Country of origin | Slovakia |

Technical data

Dimensions

| | |
|--------------------------|--------------|
| Pitch | 10 mm |
| Dimension a | 10 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 |

General

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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 | 2 |

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 |

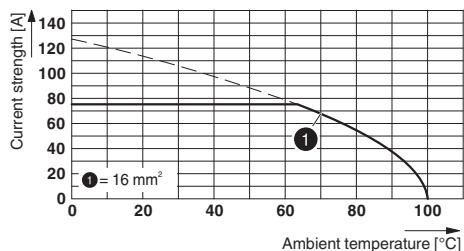
Environmental Product Compliance

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

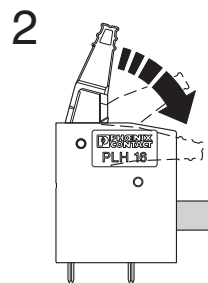
Drawings

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Diagram



Functional drawing



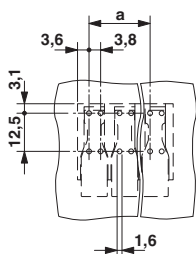
Type: PLH 16/...-10

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

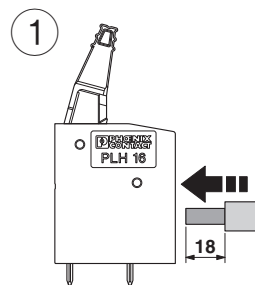
No. of positions: 5

Conductor cross section: 16 mm²

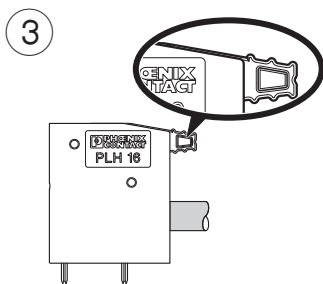
Drilling diagram



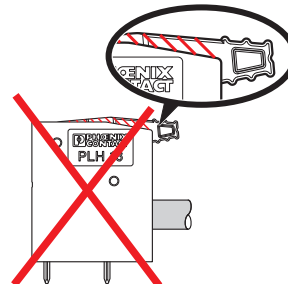
Functional drawing



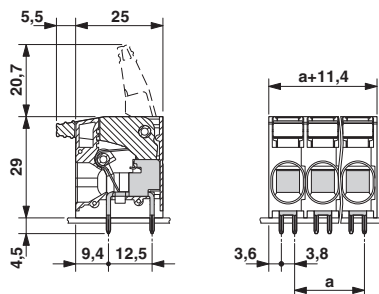
Functional drawing



Functional drawing



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

Approvals

UL Recognized / IECCEB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals

Approval details

| | | | |
|--------------------------------|---|---|--------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | D |
| mm ² /AWG/kcmil | 18-6 | 18-6 | 18-6 |
| Nominal current I _N | 51 A | 51 A | 10 A |
| Nominal voltage U _N | 300 V | 150 V | 300 V |

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Approvals

| | | | |
|----------------------------|---------------------|---|-----------|
| IECEE CB Scheme | CB scheme | http://www.iecee.org/ | DE1-54990 |
| mm ² /AWG/kcmil | | 0.75-16 | |
| Nominal current IN | | 76 A | |
| Nominal voltage UN | | 400 V | |

| | | | |
|----------------------------|--|---|----------|
| VDE Zeichengenehmigung | | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40041250 |
| mm ² /AWG/kcmil | | 0.75-16 | |
| Nominal current IN | | 76 A | |
| Nominal voltage UN | | 400 V | |

| | | | |
|-----|------------|--|---------|
| EAC | EAC | | B.01742 |
|-----|------------|--|---------|

Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Crimping pliers - CRIMPFOX 16 S - 1207983



Crimping pliers for ferrules up to 16 mm²

Terminal marking

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Accessories

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 3.8 mm

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