

PCB terminal block - PLH 16/ 2-10-ZF - 1770461

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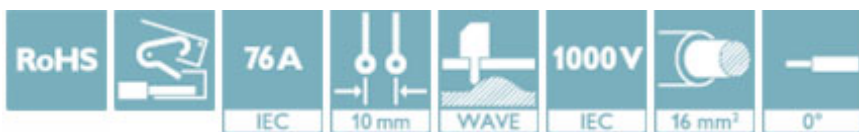


PCB terminal block, nominal current: 76 A, nom. voltage: 1000 V, pitch: 10 mm, number of positions: 2, connection method: Push-lock spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

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

Your advantages

- ✓ 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
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 25 pc |
| GTIN | |
| GTIN | 4046356458207 |

Technical data

Dimensions

| | |
|----------------|---------|
| Length [l] | 25 mm |
| Pitch | 10 mm |
| Dimension a | 10 mm |
| Width [w] | 21.4 mm |
| Height | 29 mm |
| Height [h] | 33.5 mm |
| Solder pin [P] | 4.5 mm |
| Pin spacing | 12.5 mm |
| Hole diameter | 1.6 mm |

General

PCB terminal block - PLH 16/ 2-10-ZF - 1770461

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 mm ² |
| Insulating material | PA |
| 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 |

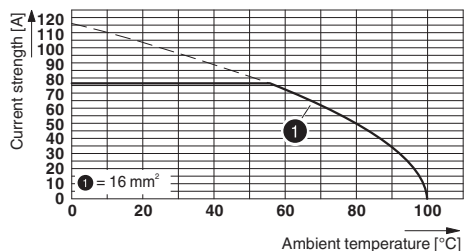
Environmental Product Compliance

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

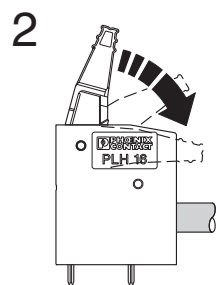
Drawings

PCB terminal block - PLH 16/ 2-10-ZF - 1770461

Diagram

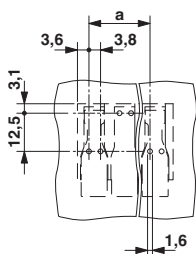


Functional drawing

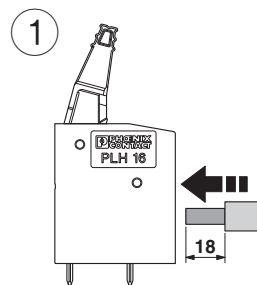


Type: PLH 16/...-10-ZF
 Tested in accordance with DIN EN 60512-5-2:2003-01
 No. of positions: 5
 Conductor cross section: 16 mm² (exclusively for solid conductors)

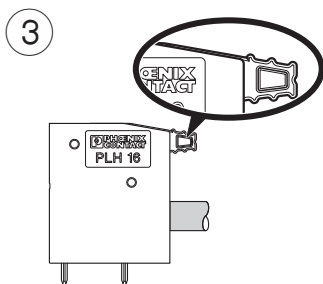
Drilling diagram



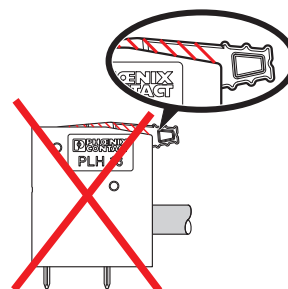
Functional drawing



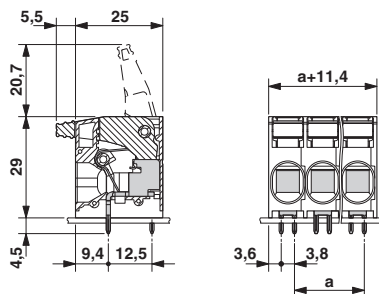
Functional drawing



Functional drawing



Dimensional drawing



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Approvals


Approvals


Approvals


UL Recognized / IEC EE CB Scheme / VDE Zeichengenehmigung / EAC


Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|-----------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-20110524 |
| | | B | C |
| Nominal voltage UN | | 600 V | 600 V |
| Nominal current IN | | 51 A | 51 A |
| mm ² /AWG/kcmil | | 18-6 | 18-6 |

| | | | |
|----------------------------|---|---|-----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-58718 |
| Nominal voltage UN | | 1000 V | |
| Nominal current IN | | 76 A | |
| mm ² /AWG/kcmil | | 0.75-16 | |

| | | | |
|----------------------------|---|---|----------|
| VDE Zeichengenehmigung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40041250 |
| Nominal voltage UN | | 1000 V | |
| Nominal current IN | | 76 A | |
| mm ² /AWG/kcmil | | 0.75-16 | |

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

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