

## PCB terminal block - PLH 16/ 4-15 - 1770555

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 4, 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                                 | 4046356457750                                                                        |
| Weight per Piece (excluding packing) | 36.290 g                                                                             |
| Custom tariff number                 | 85369010                                                                             |
| Country of origin                    | Slovakia                                                                             |

### Technical data

#### Dimensions

|                          |         |
|--------------------------|---------|
| Length                   | 30.5 mm |
| Pitch                    | 15 mm   |
| Dimension a              | 45 mm   |
| Width                    | 56.4 mm |
| Constructional height    | 33.5 mm |
| Height                   | 29 mm   |
| Length of the solder pin | 4.5 mm  |

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## Technical data

### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 1,2 x 1,2 mm |
| Pin spacing    | 12.5 mm      |
| Hole diameter  | 1.6 mm       |

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

### 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 |
|------------|---------------------------------------------------------|

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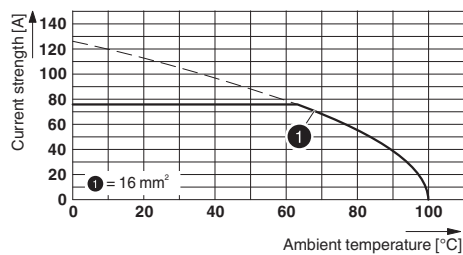
## Technical data

### Environmental Product Compliance

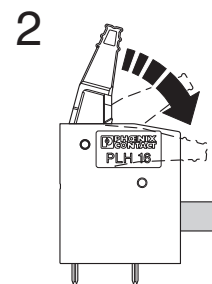
|  |                                                |
|--|------------------------------------------------|
|  | No hazardous substances above threshold values |
|--|------------------------------------------------|

## Drawings

Diagram



Functional drawing



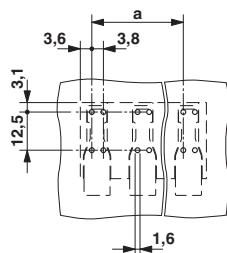
Type: PLH 16/...-15

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

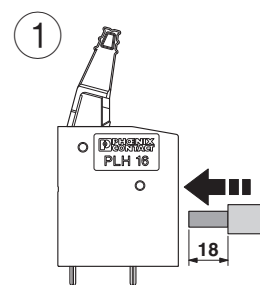
No. of positions: 5

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

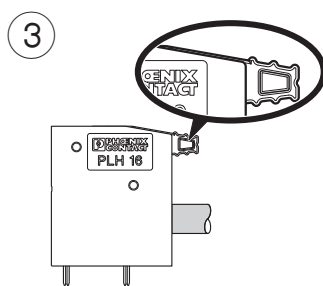
Drilling diagram



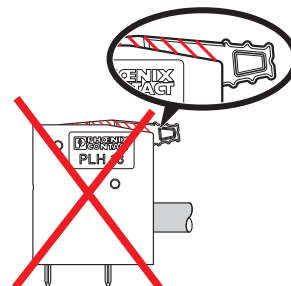
Functional drawing



Functional drawing

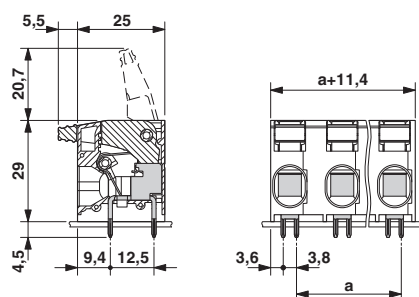


Functional drawing



## PCB terminal block - PLH 16/ 4-15 - 1770555

Dimensional drawing



### 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 / IECCE CB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals

## PCB terminal block - PLH 16/ 4-15 - 1770555

### Approvals

#### Approval details

|                                |                                                                                   |                                                                                                                                                       |              |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL Recognized                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                                | B                                                                                 | C                                                                                                                                                     |              |
| mm²/AWG/kcmil                  | 18-4                                                                              | 18-4                                                                                                                                                  |              |
| Nominal current I <sub>N</sub> | 66 A                                                                              | 66 A                                                                                                                                                  |              |
| Nominal voltage U <sub>N</sub> | 600 V                                                                             | 600 V                                                                                                                                                 |              |

|                                |                                                                                   |                                                           |           |
|--------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|-----------|
| IECEE CB Scheme                |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-54990 |
|                                |                                                                                   |                                                           |           |
| mm²/AWG/kcmil                  | 0.75-16                                                                           |                                                           |           |
| Nominal current I <sub>N</sub> | 76 A                                                                              |                                                           |           |
| Nominal voltage U <sub>N</sub> | 1000 V                                                                            |                                                           |           |

|                                |                                                                                     |                                                                                                                                                                                                         |          |
|--------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Zeichengenehmigung         |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> | 40041250 |
|                                |                                                                                     |                                                                                                                                                                                                         |          |
| mm²/AWG/kcmil                  | 0.75-16                                                                             |                                                                                                                                                                                                         |          |
| Nominal current I <sub>N</sub> | 76 A                                                                                |                                                                                                                                                                                                         |          |
| Nominal voltage U <sub>N</sub> | 1000 V                                                                              |                                                                                                                                                                                                         |          |

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| 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

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### Accessories

Crimping pliers - CRIMPFOX 16 S - 1207983



Crimping pliers for ferrules up to 16 mm<sup>2</sup>

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### Terminal marking

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