

PCB terminal block - PLH 16/ 2-15 - 1770539

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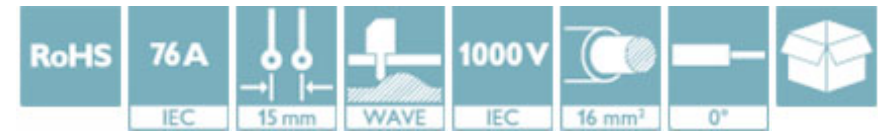


PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 2, Connection method: Push-lock spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

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                   | 4046356457736                                                                        |
| Custom tariff number   | 8536909000                                                                           |
| Sales Key              | AABEAA                                                                               |

Technical data

Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 30.5 mm      |
| Pitch                    | 15 mm        |
| Dimension a              | 15 mm        |
| Width                    | 26.4 mm      |
| Constructional height    | 33.5 mm      |
| Height                   | 29 mm        |
| Length of the solder pin | 4.5 mm       |
| Pin dimensions           | 1,2 x 1,2 mm |

<https://www.phoenixcontact.com/cn/products/1770539>

## PCB terminal block - PLH 16/ 2-15 - 1770539

### Technical data

#### Dimensions

|               |         |
|---------------|---------|
| 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                    | 2                  |

#### 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 |

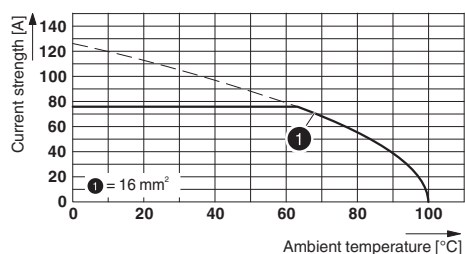
#### Environmental Product Compliance

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

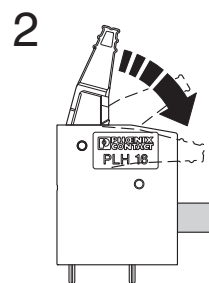
## PCB terminal block - PLH 16/ 2-15 - 1770539

## Drawings

### Diagram



## Functional drawing



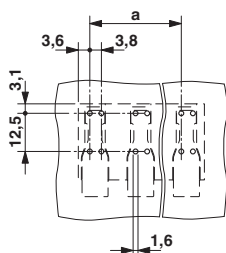
Type: PLH 16/...-15

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

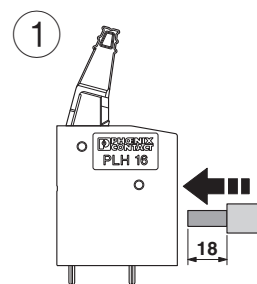
No. of positions: 5

Conductor cross section: 16 mm<sup>2</sup> (exclusively for solid conductors)

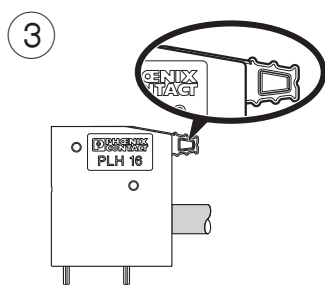
### Drilling diagram



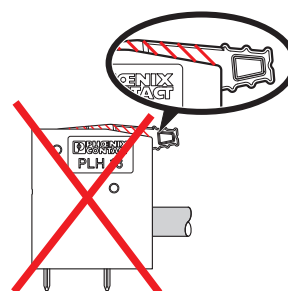
## Functional drawing



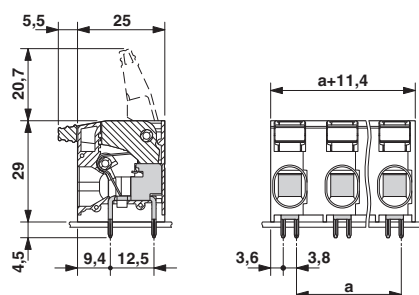
## Functional drawing



## Functional drawing



## Dimensional drawing



<https://www.phoenixcontact.com/cn/products/1770539>

## PCB terminal block - PLH 16/ 2-15 - 1770539

### Approvals

#### Approvals

#### Approvals

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

#### Ex 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                                                                                                                                                     |              |
| mm <sup>2</sup> /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 |
|                                |                                                                                     |                                                           |           |
| mm <sup>2</sup> /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 |
|                                |                                                                                     |                                                                                                                                                                                                         |          |
| mm <sup>2</sup> /AWG/kcmil     | 0.75-16                                                                             |                                                                                                                                                                                                         |          |
| Nominal current I <sub>N</sub> | 76 A                                                                                |                                                                                                                                                                                                         |          |
| Nominal voltage U <sub>N</sub> | 1000 V                                                                              |                                                                                                                                                                                                         |          |

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