

# PCB terminal block - PLH 16/ 5-15 - 1770568

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 5, Connection method: Spring-cage conn., Mounting: 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 mm<sup>2</sup> and a current carrying capacity of up to 76 A
- Low actuation forces

## Key commercial data

package_quantity	25
GTIN	4046356457767

## Technical data

### Dimensions

Pitch	15 mm
Dimension a	60 mm
Pin dimensions	1,2 x 1,2 mm
Pin spacing	15 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 <sub>N</sub>	76 A
Nominal cross section	16 mm <sup>2</sup>

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## Technical data

### General

Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	18 mm
Number of positions	5

### 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 stranded min.	0.75 mm <sup>2</sup>
Conductor cross section stranded max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil 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>
Minimum AWG according to UL/CUL	18
Maximum AWG according to UL/CUL	4

## 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

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

### UNSPSC

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## classifications


### UNSPSC


<b>UNSPSC 6.01</b>	30211801
<b>UNSPSC 7.0901</b>	39121432
<b>UNSPSC 11</b>	39121432
<b>UNSPSC 12.01</b>	39121432
<b>UNSPSC 13.2</b>	39121432

## approvals


UL Recognized / VDE Gutachten mit Fertigungsüberwachung / CCA / IEC EE CB Scheme / GOST / GOST /

### Approval details

<b>UL Recognized</b> 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	66 A	66 A
mm <sup>2</sup> /AWG/kcmil	18-4	18-4

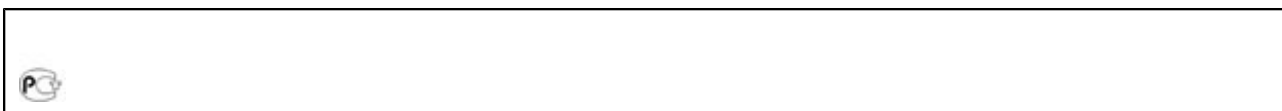
<b>VDE Gutachten mit Fertigungsüberwachung</b> 	
Nominal voltage UN	1000 V
Nominal current IN	76 A
mm <sup>2</sup> /AWG/kcmil	0.75-16

<b>CCA</b>	
Nominal voltage UN	1000 V
Nominal current IN	76 A
mm <sup>2</sup> /AWG/kcmil	0.75-16

<b>IECEE CB Scheme</b> 	
Nominal voltage UN	1000 V
Nominal current IN	76 A
mm <sup>2</sup> /AWG/kcmil	0.75-16

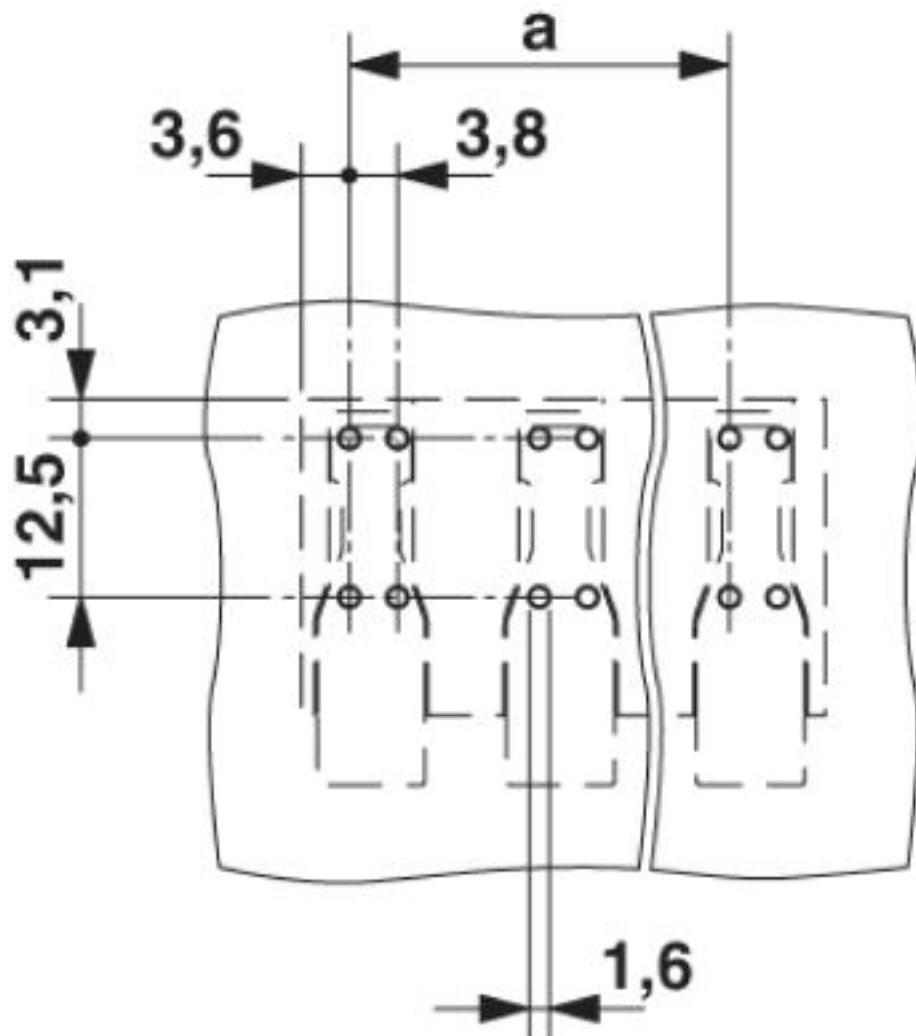
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approvals



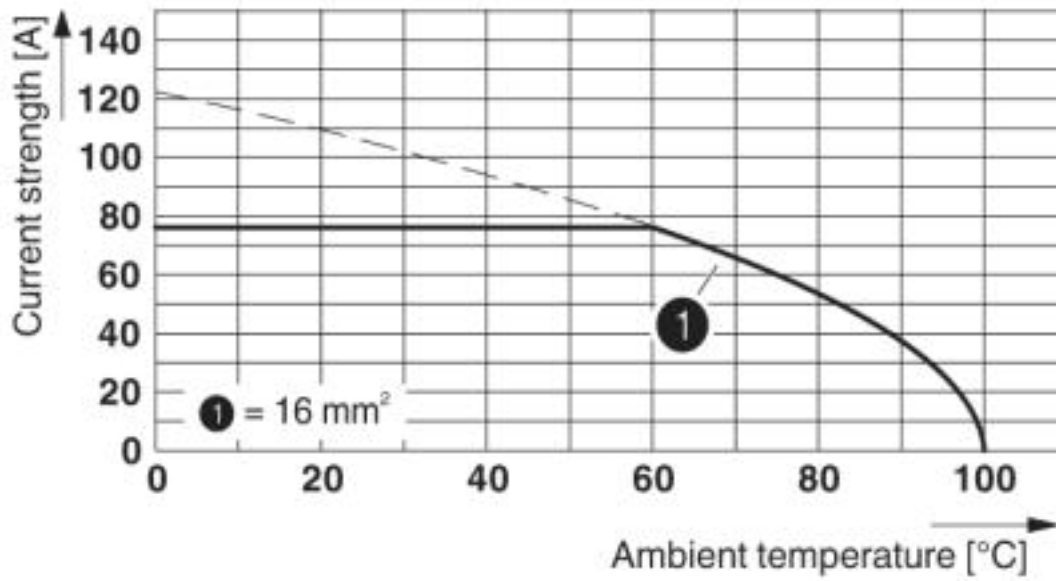
Drawings

Drilling diagram



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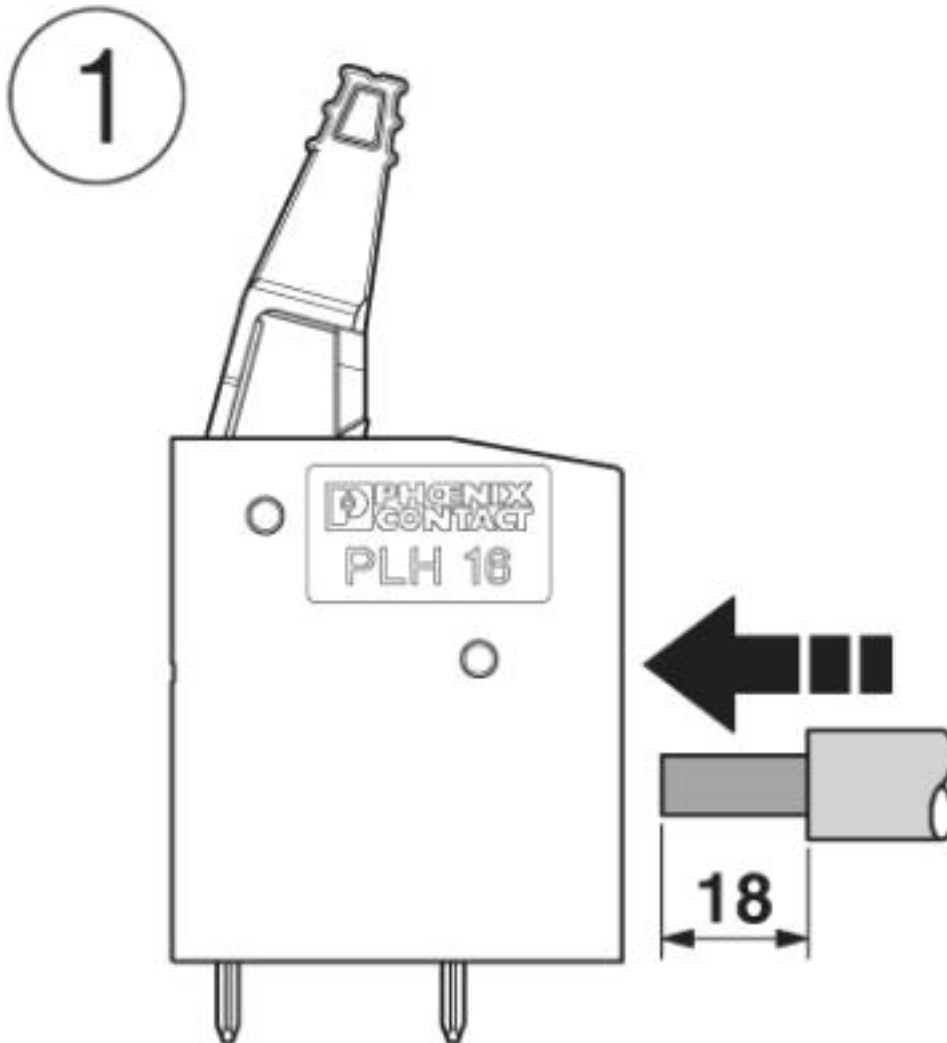
Diagram



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)

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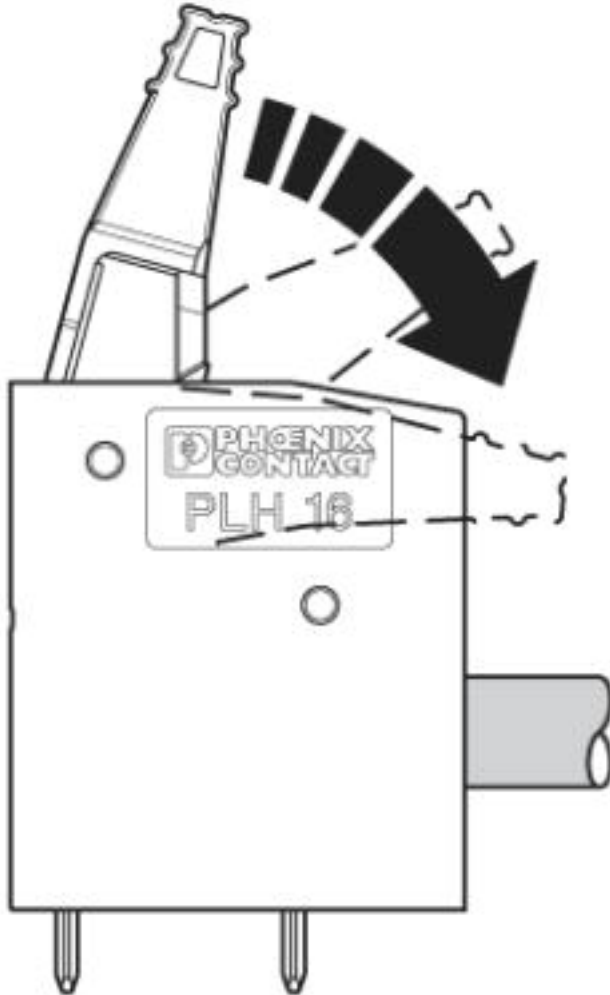
Functional drawing



# PCB terminal block - PLH 16/ 5-15 - 1770568

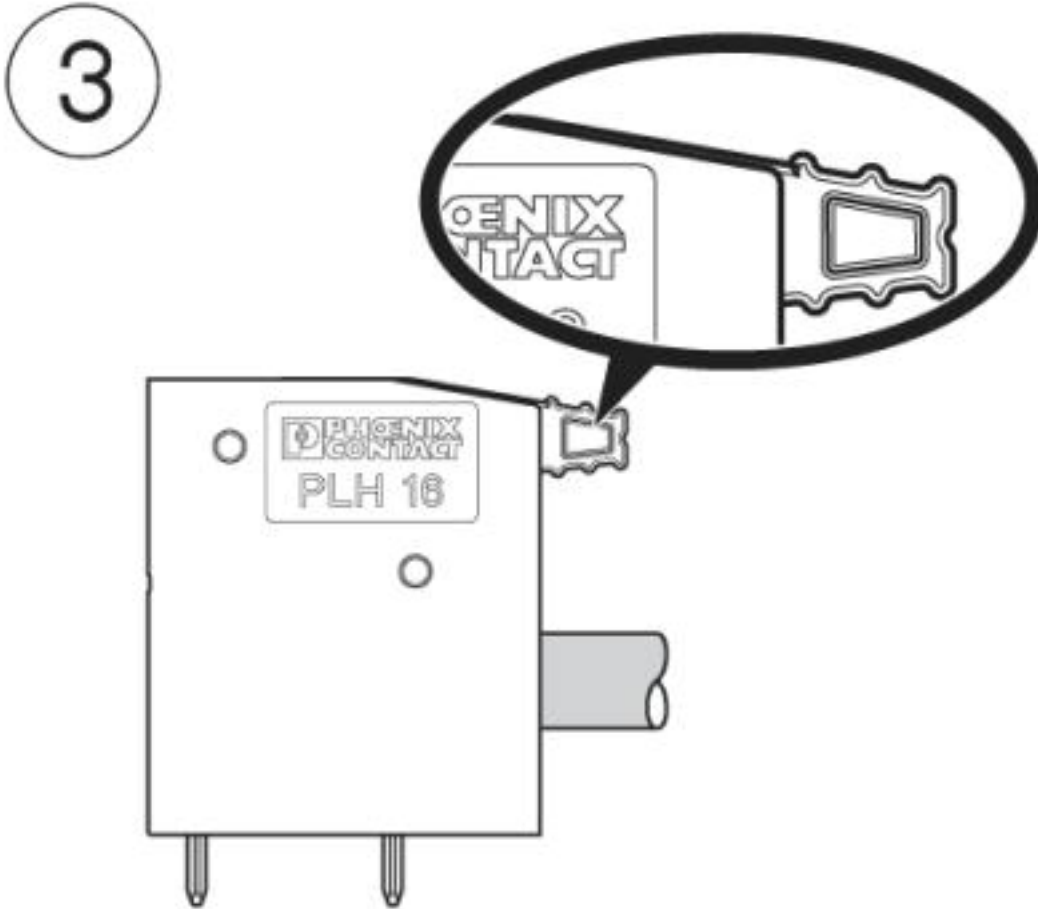
Functional drawing

# 2



# PCB terminal block - PLH 16/ 5-15 - 1770568

Functional drawing





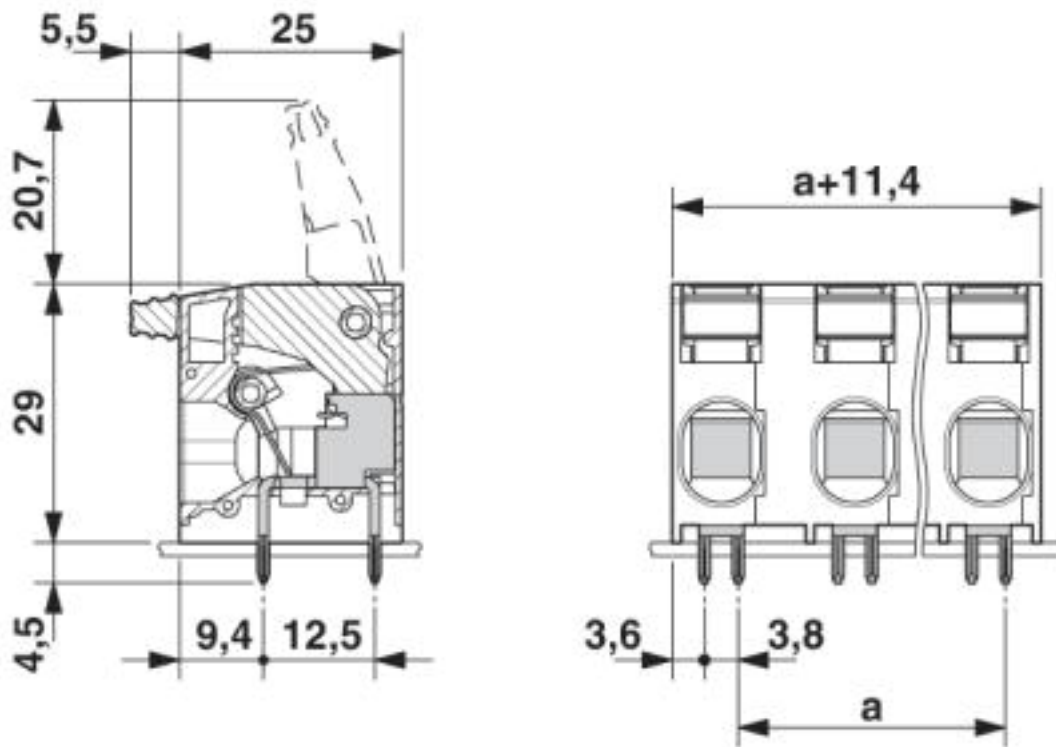
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Functional drawing



# PCB terminal block - PLH 16/ 5-15 - 1770568

Dimensioned drawing



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