

## PCB terminal block - PLH 16/ 3-15 - 1770542

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 3, Connection method: Push-lock spring connection, Mounting: Wave 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

Packing unit	1 pc
Minimum order quantity	25 pc
Weight per Piece (excluding packing)	29.6 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	30.5 mm
Pitch	15.00 mm
Dimension a	30 mm
Width	41.4 mm
Constructional height	33.5 mm
Height	29 mm

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## Technical data

### Dimensions

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

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	3

### 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

# PCB terminal block - PLH 16/ 3-15 - 1770542

## Technical data

### Standards and Regulations

Connection in acc. with standard	UL
Flammability rating according to UL 94	V0

## 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

### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals

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#### Approvals

UL Recognized / IECCEB Scheme / VDE Zeichengenehmigung / EAC / EAC

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#### Ex Approvals


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## Approvals

Approvals submitted

### Approval details

UL Recognized 		
	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 	
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 	
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

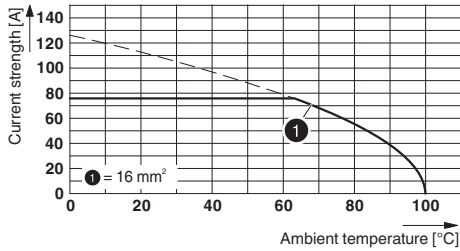
EAC
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EAC
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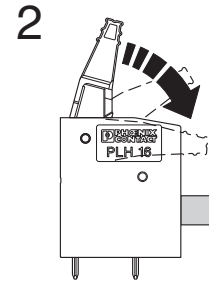
## Drawings

# PCB terminal block - PLH 16/ 3-15 - 1770542

Diagram

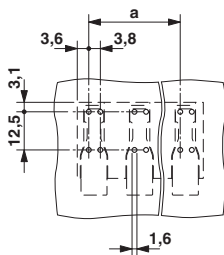


Functional drawing

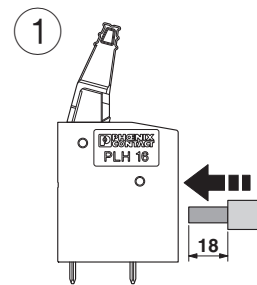


Type: PLH 16/...-15  
 Tested in accordance with DIN EN 60512-5-2:2003-01  
 No. of positions: 5  
 Conductor cross section: 16 mm<sup>2</sup> (exclusively for solid conductors)

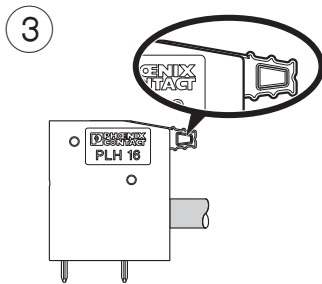
Drilling diagram



Functional drawing



Functional drawing

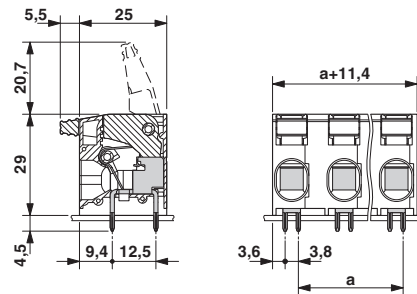


Functional drawing



## PCB terminal block - PLH 16/ 3-15 - 1770542

Dimensional drawing



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