

## PCB terminal block - PLH 16/ 5-10-ZF - 1770490

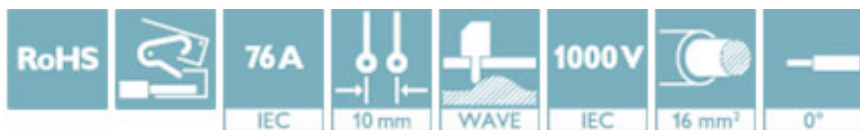
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PCB terminal block, nominal current: 76 A, nom. voltage: 1000 V, pitch: 10 mm, number of positions: 5, connection method: Push-lock spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

### 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	 4 046356 458238
GTIN	4046356458238

### Technical data

#### Dimensions

Length [ l ]	25 mm
Pitch	10 mm
Dimension a	40 mm
Width [ w ]	51.4 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

Range of articles	PLH 16/
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## Technical data

### General

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>
Insulating material	PA
Flammability rating 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 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

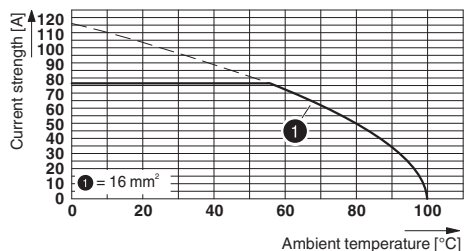
### Environmental Product Compliance

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

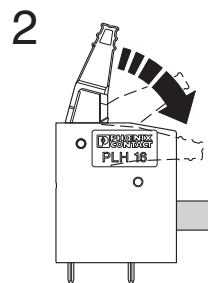
## Drawings

# PCB terminal block - PLH 16/ 5-10-ZF - 1770490

Diagram

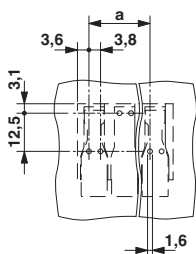


Functional drawing

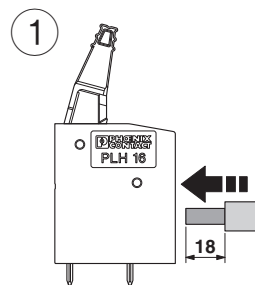


Type: PLH 16/...-10-ZF  
 Tested in accordance with DIN EN 60512-5-2:2003-01  
 No. of positions: 5  
 Conductor cross section: 16 mm² (exclusively for solid conductors)

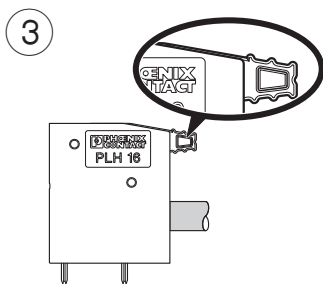
Drilling diagram



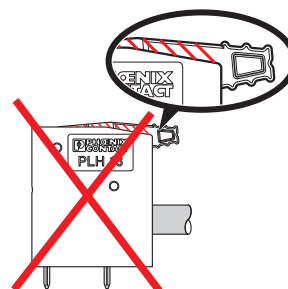
Functional drawing



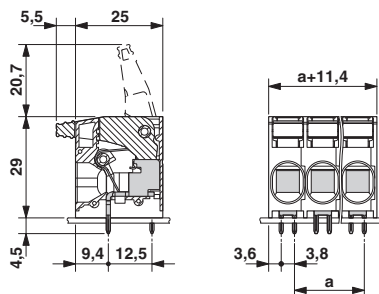
Functional drawing



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		<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>	E60425-20110524
		B	C
Nominal voltage UN		600 V	600 V
Nominal current IN		51 A	51 A
mm <sup>2</sup> /AWG/kcmil		18-6	18-6

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58718
Nominal voltage UN		1000 V	
Nominal current IN		76 A	
mm <sup>2</sup> /AWG/kcmil		0.75-16	

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

EAC			B.01742
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