

## PCB terminal block - PLH 5/12-7,5-ZF - 1792203

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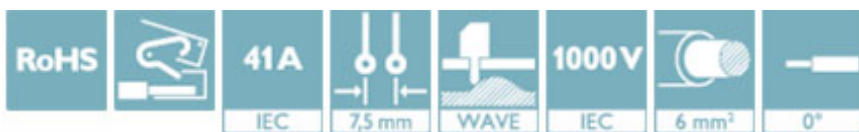


PCB terminal block, nominal current: 41 A, nom. voltage: 1000 V, pitch: 7.5 mm, number of positions: 12, connection method: Push-lock spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

The figure shows a 4-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
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Quick and convenient testing using integrated test option



### Key Commercial Data

Packing unit	25 STK
GTIN	
GTIN	4046356610766

### Technical data

#### Dimensions

Length [ l ]	22.7 mm
Pitch	7.5 mm
Dimension a	82.5 mm
Width [ w ]	91 mm
Constructional height	24.1 mm
Height [ h ]	27.7 mm
Solder pin [P]	3.6 mm
Pin dimensions	1,2 x 1,5 mm
Pin spacing	12.5 mm
Hole diameter	2 mm

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## Technical data

### General

Range of articles	PLH 5/
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Nominal current $I_N$	41 A
Nominal cross section	6 mm <sup>2</sup>
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	12 mm
Number of positions	12

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.2 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.2 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>

### Standards and Regulations

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

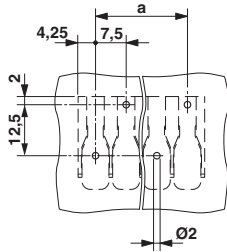
### Environmental Product Compliance

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

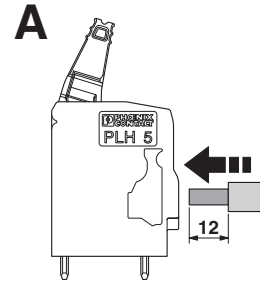
## Drawings

# PCB terminal block - PLH 5/12-7,5-ZF - 1792203

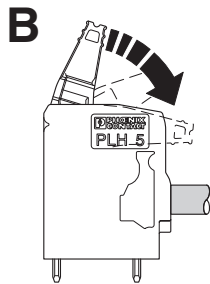
Drilling diagram



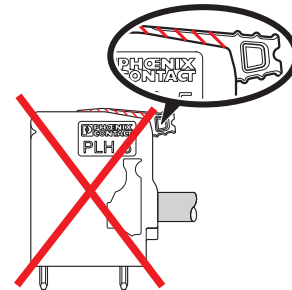
Functional drawing



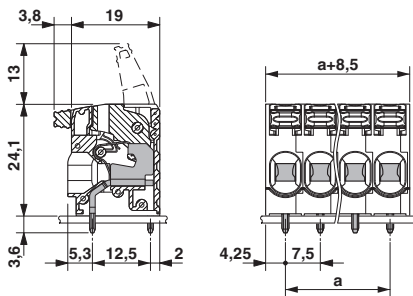
Functional drawing



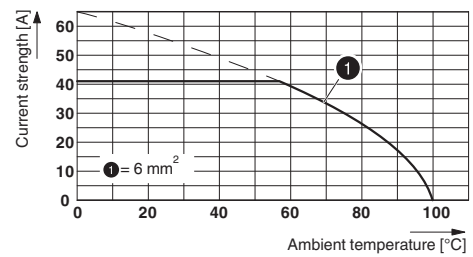
Functional drawing



Dimensional drawing



Diagram



Type: PLH 5/...-7,5(-ZF)

## Approvals

Approvals

Approvals

VDE approval of drawings / EAC / cULus Recognized

Ex Approvals

Approval details

# PCB terminal block - PLH 5/12-7,5-ZF - 1792203

## Approvals

VDE approval of drawings		40041250
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mm <sup>2</sup> /AWG/kcmil	0.2-6
Nominal current I <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	1000 V

EAC		B.01742
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cULus 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
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	B	C
mm <sup>2</sup> /AWG/kcmil	24-10	24-10
Nominal current I <sub>N</sub>	27 A	27 A
Nominal voltage U <sub>N</sub>	600 V	600 V

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