

PCB terminal block - PLH 16/ 3-10-ZF - 1770474

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 3, 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	4046356458214
Weight per Piece (excluding packing)	21.060 g
Custom tariff number	85369010
Country of origin	Slovakia
Note	Made to Order (non-returnable)

Technical data

Dimensions

Pitch	10 mm
Dimension a	20 mm
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

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Technical data

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 ²
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 ²
Conductor cross section solid max.	16 mm ²
Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm ²
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 ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²

Standards and Regulations

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

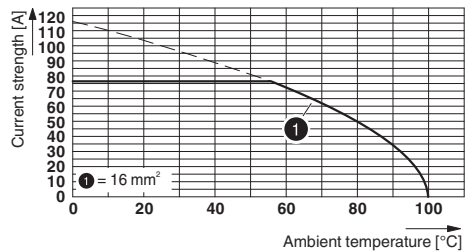
Environmental Product Compliance

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

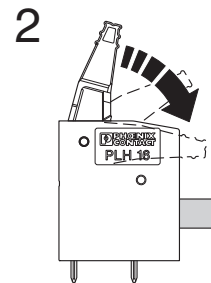
Drawings

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Diagram



Functional drawing



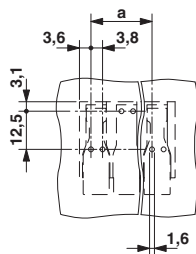
Type: PLH 16/...-10-ZF

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

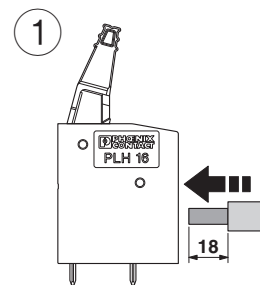
No. of positions: 5

Conductor cross section: 16 mm² (exclusively for solid conductors)

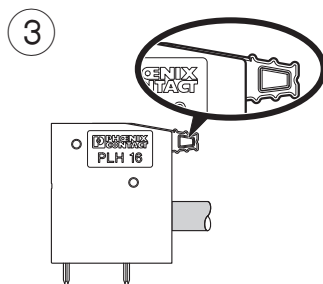
Drilling diagram



Functional drawing



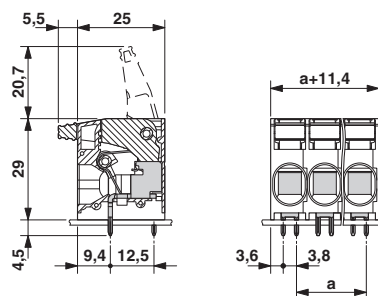
Functional drawing



Functional drawing



Dimensional drawing



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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
ETIM 6.0	EC002643

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / IECEE CB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm²/AWG/kcmil	18-6	18-6	
Nominal current I _N	51 A	51 A	
Nominal voltage U _N	600 V	600 V	

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Approvals

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-54990
mm²/AWG/kcmil	0.75-16		
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40041250
mm²/AWG/kcmil	0.75-16		
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

EAC	EAC	B.01742
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Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Crimping pliers - CRIMPFOX 16 S - 1207983



Crimping pliers for ferrules up to 16 mm²

Terminal marking

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Accessories

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 3.8 mm

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