

PCB terminal block - PLH 16/ 3-10 - 1770403

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 400 V, Pitch: 10 mm, Number of positions: 3, Connection method: Spring-cage connection, 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
- ✔ Low actuation forces
- ✔ PLH 16 push-lock spring-cage PCB terminal block with lever operation for conductor cross sections up to 16 mm² and a current carrying capacity of up to 76 A



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 25 pc |
| Weight per Piece (excluding packing) | 24.0 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|----------------|--------------|
| Pitch | 10 mm |
| Dimension a | 20 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/ |
|-------------------|---------|

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Technical data

General

| | |
|---|--------------------|
| Insulating material group | I |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 400 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 800 V |
| Nominal current I _N | 76 A |
| Nominal cross section | 16 mm ² |
| Insulating material | PA |
| Solder pin surface | Sn |
| Inflammability class 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 stranded min. | 0.75 mm ² |
| Conductor cross section stranded max. | 25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.75 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.75 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 10 mm ² |
| 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 ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm ² |
| Minimum AWG according to UL/CUL | 18 |
| Maximum AWG according to UL/CUL | 6 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |

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Classifications

eCl@ss

| | |
|------------|----------|
| 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

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

Approvals

Approvals

Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / CCA / IECEE CB Scheme / GOST / GOST

Ex Approvals

Approvals submitted


Approval details

| | | | |
|----------------------------|------|------|------|
| UL Recognized | | | |
| | B | C | D |
| mm ² /AWG/kcmil | 18-6 | 18-6 | 18-6 |


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Approvals


| | B | C | D |
|--------------------|-------|-------|-------|
| Nominal current IN | 51 A | 51 A | 10 A |
| Nominal voltage UN | 300 V | 150 V | 300 V |

| | |
|---|---------|
| VDE Gutachten mit Fertigungsüberwachung  | |
| mm ² /AWG/kcmil | 0.75-16 |
| Nominal current IN | 76 A |
| Nominal voltage UN | 400 V |

| | |
|----------------------------|---------|
| CCA | |
| mm ² /AWG/kcmil | 0.75-16 |
| Nominal current IN | 76 A |
| Nominal voltage UN | 400 V |

| | |
|---|---------|
| IECEE CB Scheme  | |
| mm ² /AWG/kcmil | 0.75-16 |
| Nominal current IN | 76 A |
| Nominal voltage UN | 400 V |

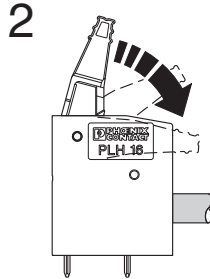
| | |
|--|--|
| GOST  | |
|--|--|

| | |
|--|--|
| GOST  | |
|--|--|

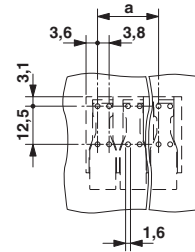
Drawings

PCB terminal block - PLH 16/ 3-10 - 1770403

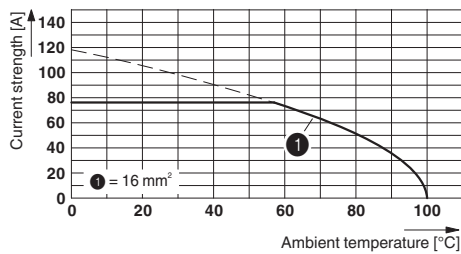
Functional drawing



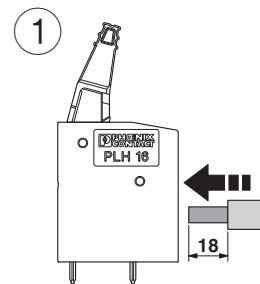
Drilling diagram



Diagram

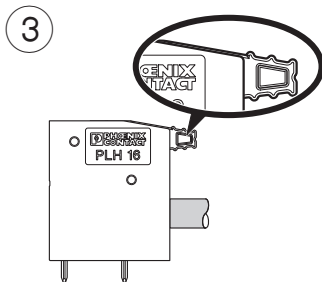


Functional drawing

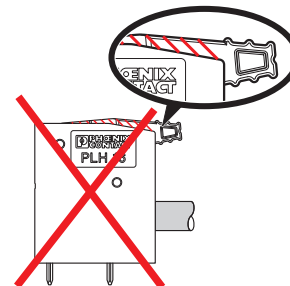


Type: PLH 16/...-10
 Tested in accordance with DIN EN 60512-5-2:2003-01
 No. of positions: 5
 Conductor cross section: 16 mm² (exclusively for solid conductors)

Functional drawing

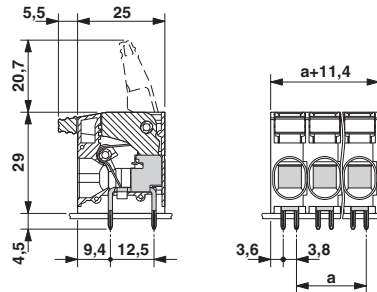


Functional drawing



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Dimensioned drawing



Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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<http://moschip.ru/get-element>

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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