

## PCB terminal block - PTDA 1,5/12-3,5 - 1725042

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 240 V, Pitch: 3.5 mm, Number of positions: 12, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green




The figure shows a 10-position version of the product

### Why buy this product

- 3.5 mm pitch
- Large terminal block capacity with compact dimensions
- Attractive design for connection at a glance
- Spring-cage double connection with direct plug-in technology with a release button
- Optional color coding
- Plug with optional mechanical coding



### Key commercial data

Packing unit	50 pc
GTIN	 4 046356 129053
Weight per Piece (excluding packing)	13.58 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Pitch	3.5 mm
Dimension a	38.5 mm
Pin dimensions	1,0 x 0,4
Pin spacing	3.5 mm
Hole diameter	1.3 mm

#### General

Range of articles	PTDA 1,5/
Insulating material group	I

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## Technical data

### General

Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	200 V
Rated voltage (III/2)	240 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	13.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	13.5 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	10 mm
Number of positions	12

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
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.	0.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	24

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## Technical data

### Connection data

Maximum AWG according to UL/CUL	16
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## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
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

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals

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#### Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECCE CB Scheme / GOST / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

# PCB terminal block - PTDA 1,5/12-3,5 - 1725042

## Approvals

UL Recognized

		B	C	D
mm <sup>2</sup> /AWG/kcmil	24-16	24-16	24-16	
Nominal current I <sub>N</sub>	12 A	12 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	150 V	300 V	

VDE Gutachten mit Fertigungsüberwachung

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	130 V

cUL Recognized

		B	C	D
mm <sup>2</sup> /AWG/kcmil	24-16	24-16	24-16	
Nominal current I <sub>N</sub>	12 A	12 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	150 V	300 V	

CCA

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	130 V

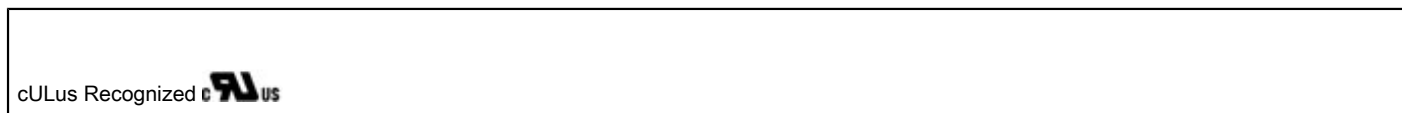
IECEE CB Scheme

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	130 V

GOST

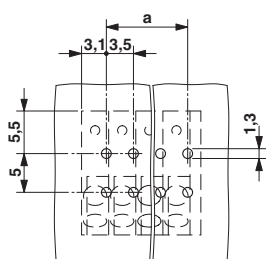
# PCB terminal block - PTDA 1,5/12-3,5 - 1725042

## Approvals

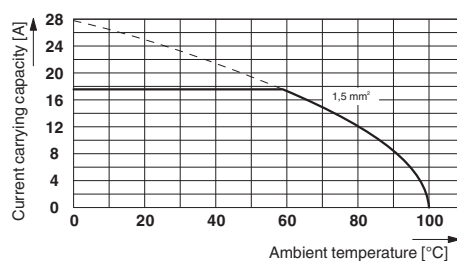


## Drawings

Drilling diagram



Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensioned drawing

