PCB terminal block - PTDA 2,5/ 2-5,0 - 1725302

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The figure shows a 10-position version of the product

PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Spring-cage conn., Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green

Product Features

- Large terminal block capacity with compact dimensions
- 5.0 mm pitch
- 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

package_quantity	50
GTIN	4046356129251

Technical data

Dimensions

Pitch	5 mm
Dimension a	5 mm
Pin dimensions	1,0 x 0,4
Pin spacing	5 mm
Hole diameter	1.3 mm

General

Range of articles	PTDA 2,5/
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)	320 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	24 A

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Technical data

General

Nominal cross section	2.5 mm²
Maximum load current	24 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	10 mm
Number of positions	2

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	2.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	2.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	14

classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190

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classifications

eCl@ss

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

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

Approval details

UL Recognized

Usegroups	**B**	**D**
Nominal voltage UN	300 V	300 V
Nominal current IN	15 A	10 A
mm²/AWG/kcmil	24-14	24-14

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	250 V
Nominal current IN	24 A
mm²/AWG/kcmil	0.2-2.5

cUL Recognized

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approvals

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	15 A	10 A
mm²/AWG/kcmil	24-14	24-14

CCA	
Nominal voltage UN	250 V
Nominal current IN	24 A
mm²/AWG/kcmil	0.2-2.5

IECEE CB Scheme

Nominal voltage UN	250 V
Nominal current IN	24 A
mm²/AWG/kcmil	0.2-2.5

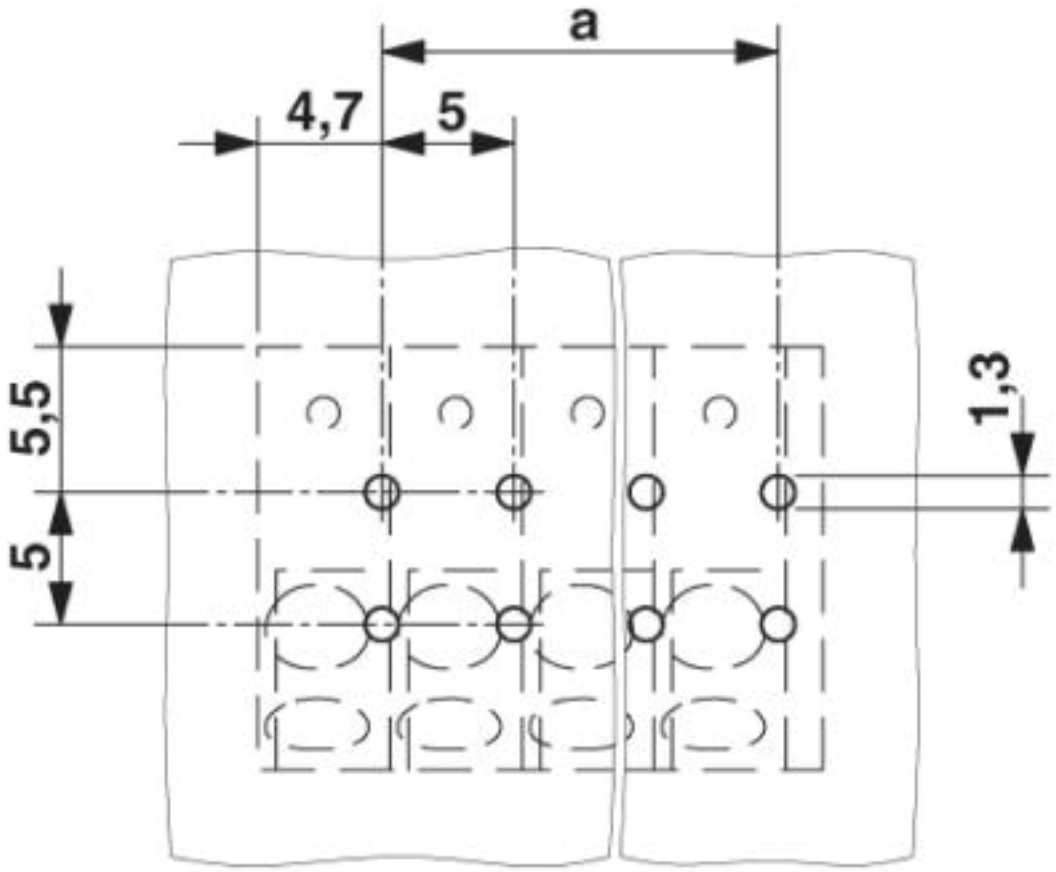
GOST

cULus Recognized

Drawings

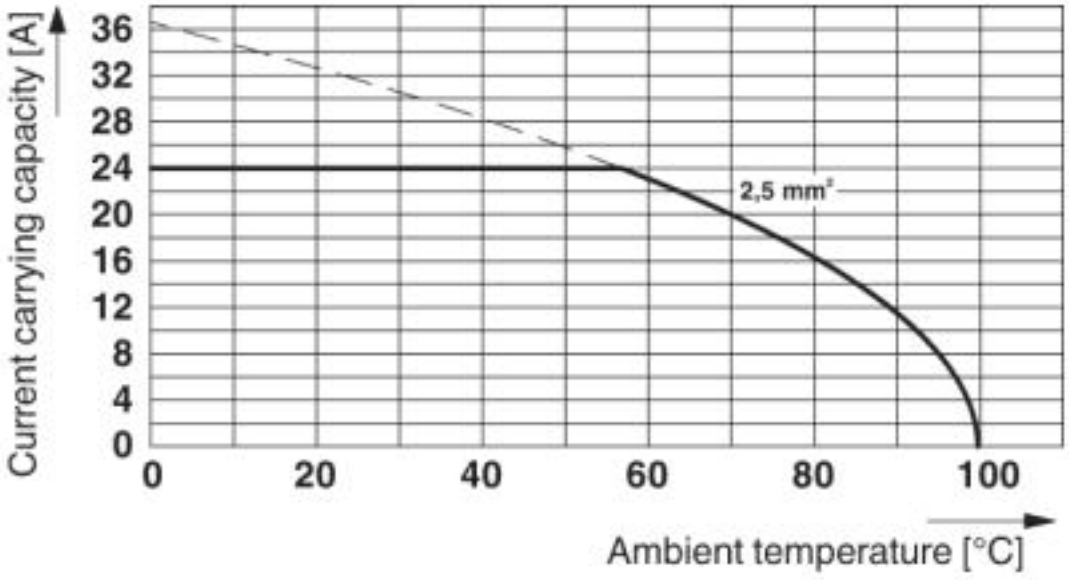
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Drilling diagram



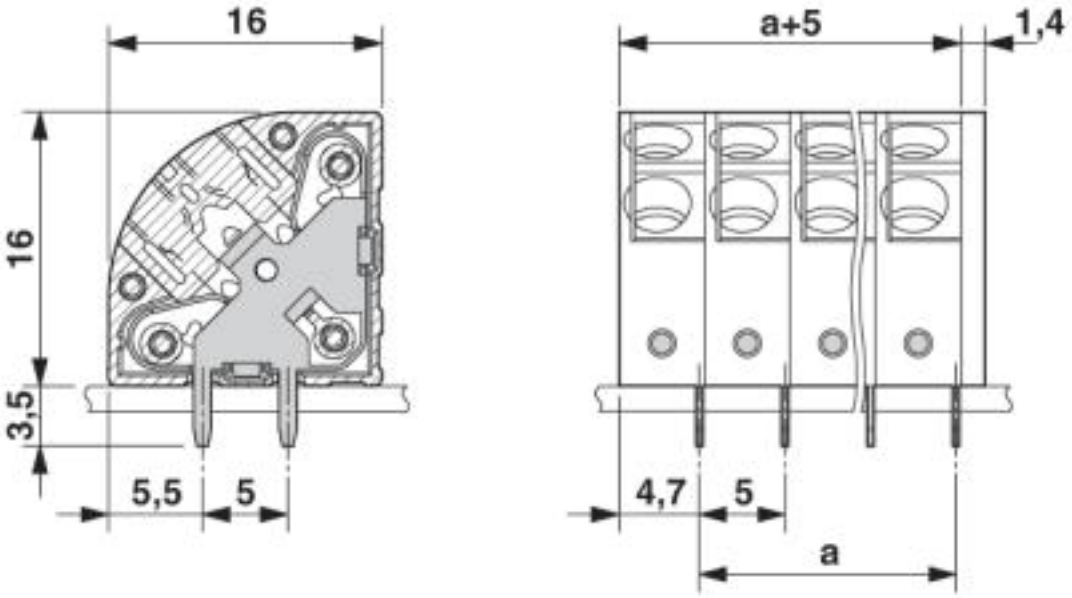
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Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensioned drawing



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