

PCB terminal block - PTDA 2,5/12-5,0 - 1725432

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 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

- ☒ 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
- ☒ Plug with optional mechanical coding
- ☒ Optional color coding



Key commercial data

Packing unit	50 pc
GTIN	 4 046356 129350
Weight per Piece (excluding packing)	17.85 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Pitch	5 mm
Dimension a	55 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

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Technical data

General

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
Nominal cross section	2.5 mm ²
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	12

Connection data

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

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Technical data

Connection data

Maximum AWG according to UL/CUL	14
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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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UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IEC EE CB Scheme / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized 		
	B	D
mm²/AWG/kcmil	24-14	24-14
Nominal current I _N	15 A	10 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	24 A
Nominal voltage U _N	250 V

cUL Recognized 		
	B	D
mm²/AWG/kcmil	24-14	24-14
Nominal current I _N	15 A	10 A
Nominal voltage U _N	300 V	300 V

CCA	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	24 A
Nominal voltage U _N	250 V

IECEE CB Scheme 	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	24 A
Nominal voltage U _N	250 V

GOST 	
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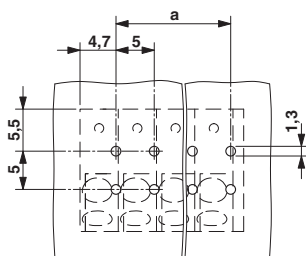
Approvals

GOST 

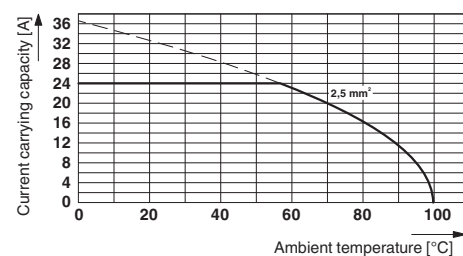
cULus Recognized 

Drawings

Drilling diagram



Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensioned drawing

