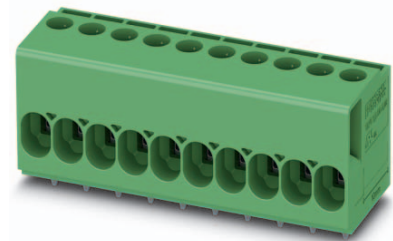


# Data sheet

Order No.: 1017502

Type: TDPT 2,5/ 12-SC-5,08

PCB terminal block, Screw connection with tension sleeve



The figure shows a 10-position version of the product

## 1 Main features



- |                           |                                      |                        |                     |
|---------------------------|--------------------------------------|------------------------|---------------------|
| • No. of pos.             | 12                                   | • Nominal current      | 24 A                |
| • Conductor cross section | 2.5 mm <sup>2</sup>                  | • Nominal voltage      | 400 V               |
| • Color                   | green                                | • Connection direction | 0 °                 |
| • Pitch                   | 5.08 mm                              | • Type of packaging    | packed in cardboard |
| • Connection method       | Screw connection with tension sleeve |                        |                     |

## 2 Your advantages

- ✓ Easy to adapt, thanks to their identical size and the same pinning for Push-in spring connections as for screw connections
- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force



Make sure you always use the latest documentation.

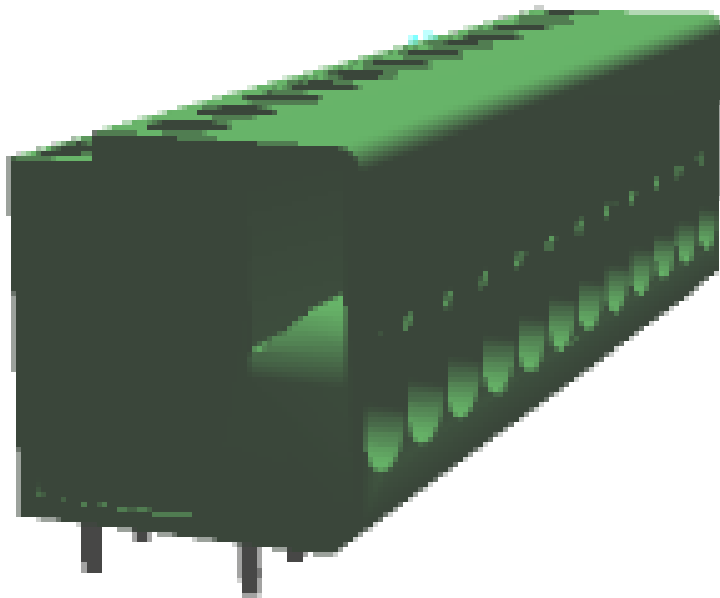
It can be downloaded at: [phoenixcontact.net/product/1017502](https://phoenixcontact.net/product/1017502)

### 3 Table of contents

1	Main features.....	1
2	Your advantages .....	1
3	Table of contents .....	2
4	3D model in PDF can be activated (Acrobat Reader only).....	3
5	item properties.....	4
	5.1 Connection capacity .....	4
	5.2 Material data .....	4
6	Dimensions.....	4
	6.1 Dimensions for the product .....	4
	6.2 Dimensions for PCB design.....	5
7	Series drawing.....	6
8	Packaging information .....	7
9	Application.....	7
	9.1 Temperature limit values .....	7
	9.2 Electrical data .....	7
10	Approvals .....	7
11	Commercial Data.....	8
12	Accessories.....	8

1017502 TDPT 2,5/ 12-SC-5,08

4 3D model in PDF can be activated (Acrobat Reader only)



**1017502 TDPT 2,5/ 12-SC-5,08****5 item properties**

Order No.	1017502
Type	TDPT 2,5/ 12-SC-5,08
Range of articles	TDPT 2,5/..-SC
Pitch	5.08 mm
Number of positions	12
Connection method	Screw connection with tension sleeve
Drive form screw head	Slotted (L)
Mounting type	Wave soldering
Pin layout	Linear double pinning

**5.1 Connection capacity**

Conductor cross section, solid	0.2 mm <sup>2</sup> to 4 mm <sup>2</sup>
Conductor cross section, flexible	0.2 mm <sup>2</sup> to 2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil	24 to 12
2 conductors with same cross section, solid	0.2 mm <sup>2</sup> to 1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded	0.2 mm <sup>2</sup> to 1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm <sup>2</sup> to 2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve	0.2 mm <sup>2</sup> to 2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.5 mm <sup>2</sup> to 0.75 mm <sup>2</sup>
Stripping length	10 mm

**5.2 Material data**

<b>Material of metal parts</b>		
Note	WEEE/RoHS-compliant, whisker-free acc. to IEC 60068-2-82/JEDEC JESD 201	
Contact material	Cu alloy	
Surface characteristics	hot-dip tin-plated	
<b>Insulating material data</b>	<b>Housing</b>	<b>Housing</b>
Insulating material		
CTI according to IEC 60112		
Flammability rating according to UL 94		
Color	green (6021)	

**6 Dimensions****6.1 Dimensions for the product**

Length	18 mm
Width	61.76 mm
Height (without solder pin)	19 mm
Total height	22.5 mm
Solder pin [P]	3.5 mm
Dimension a	55.88 mm

**1017502 TDPT 2,5/ 12-SC-5,08**

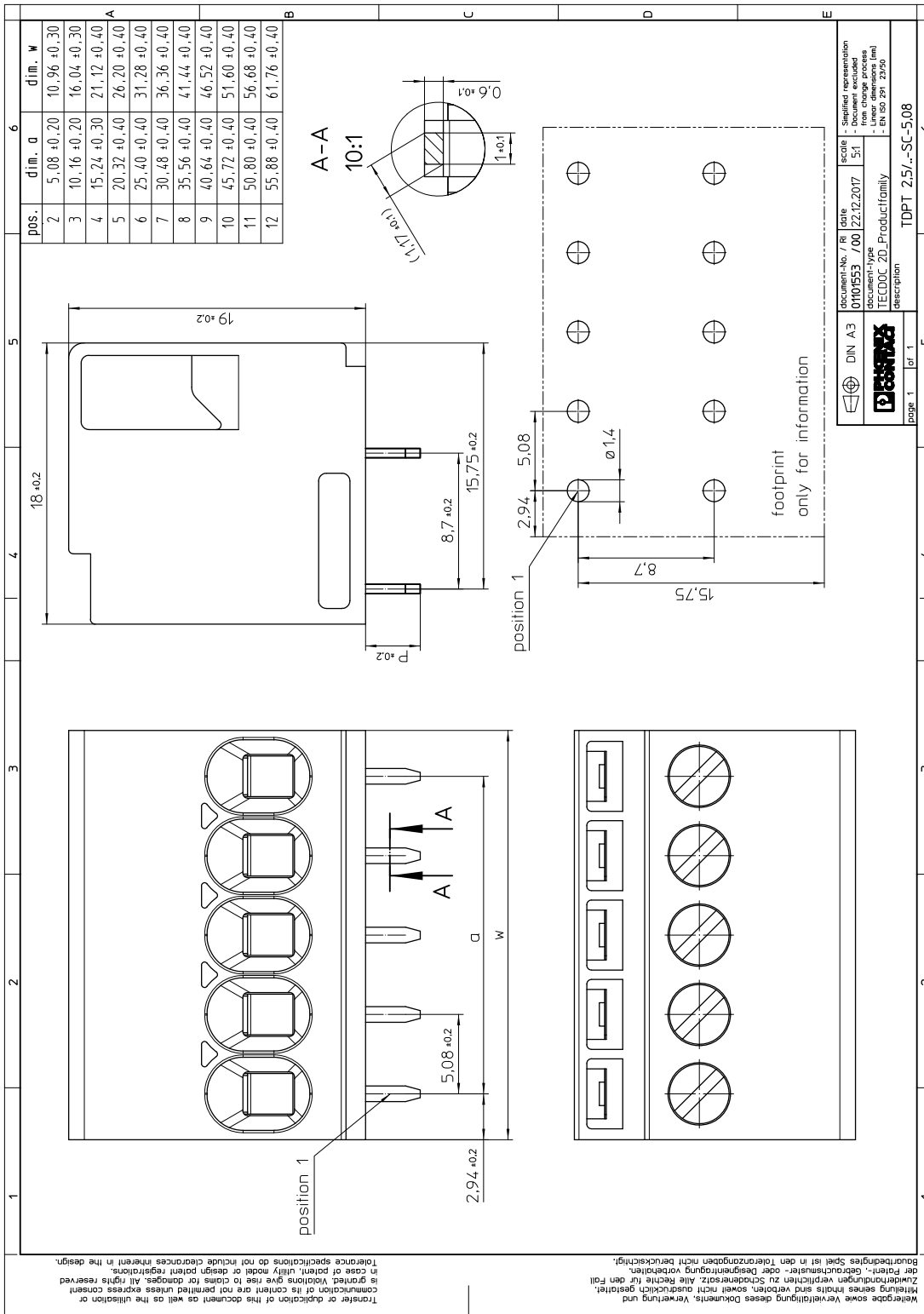
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**6.2 Dimensions for PCB design**

Hole diameter	1.4 mm
Pin dimensions	1 x 0,6 mm
Pin spacing	8.7 mm

1017502 TDPT 2,5/ 12-SC-5,08

7 Series drawing



**1017502 TDPT 2,5/ 12-SC-5,08****8 Packaging information**

Type of packaging	packed in cardboard
Pieces per package	50

**9 Application****9.1 Temperature limit values**

Ambient temperature (storage/transport)

**9.2 Electrical data**

Rated current / conductor cross section	24 A / 2.5 mm <sup>2</sup>
Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV
Contact resistance	
Degree of pollution	2

**10 Approvals**

**1017502 TDPT 2,5/ 12-SC-5,08****11 Commercial Data**

Order No.	1017502
Type	TDPT 2,5/ 12-SC-5,08
Pieces per package	50
Net weight	25.272 g
GTIN	4055626501369
	Information that applies locally, see link on page 1
Country of origin	Information that applies locally, see link on page 1

**12 Accessories**

Description	Order No.	Type
Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip	1204517	SZF 1-0,6X3,5



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