

## KDS 3-PMT

Order No.: 1780028

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.co.uk/phoenix/treeViewClick.do?UID=1780028>

PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

### Commercial data

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 017918 040710 |
| Pack                     | 50                                                                                                     |
| Customs tariff           | 85369010                                                                                               |
| Gross weight in pieces   | 5.42 g                                                                                                 |
| Country of Origin        | PL                                                                                                     |
| Catalog page information | Page 109 (CC-2011)                                                                                     |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|                     |              |
|---------------------|--------------|
| Length              | 27 mm        |
| Pitch               | 5.08 mm      |
| Number of positions | 1            |
| Pin dimensions      | 0,8 x 0,8 mm |

|                        |        |
|------------------------|--------|
| Hole diameter          | 1.2 mm |
| Screw thread           | M3     |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

**Technical data**

|                                         |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Range of articles                       | KDS 3-MT                                                |
| 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)                   | 320 V                                                   |
| Rated voltage (II/2)                    | 630 V                                                   |
| Connection in acc. with standard        | EN-VDE                                                  |
| Nominal current $I_N$                   | 13.5 A                                                  |
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                     |
| Maximum load current                    | 13.5 A (with 4 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA                                                      |
| Inflammability class according to UL 94 | V2                                                      |
| Internal cylindrical gage               | A3                                                      |
| Stripping length                        | 8 mm                                                    |
| Nominal voltage, UL/CUL Use Group B     | 250 V                                                   |
| Nominal current, UL/CUL Use Group B     | 15 A                                                    |
| Nominal voltage, UL/CUL Use Group D     | 300 V                                                   |
| Nominal current, UL/CUL Use Group D     | 10 A                                                    |

**Connection data**

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                         | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil max                                                   | 12                   |
| 2 conductors with same cross section, solid min.                                        | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                        | 1 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 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.75 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. | 1 mm <sup>2</sup>    |
| Minimum AWG according to UL/CUL                                                         | 28                   |
| Maximum AWG according to UL/CUL                                                         | 12                   |

### Certificates



Certification

GOST, SEV, UL Recognized, RS, CCA

Certifications applied for:

Certification Ex:

### Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

#### Assembly

|         |         |                                                                                                           |
|---------|---------|-----------------------------------------------------------------------------------------------------------|
| 1780044 | RZ 2,54 | Pitch spacer, raises the pitch by 2.54 mm, interlocks with terminal block of the same shape, color: green |
|---------|---------|-----------------------------------------------------------------------------------------------------------|

**Marking**

|         |                           |                                                                                                                                                                                                                  |
|---------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1400201 | BNB-ZB 5,LGS:FORTL.ZAHLEN | Marker pin Zack strip, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Plug in, For terminal block width: 5 mm, Lettering field: 4 x 4 mm |
|---------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Plug/Adapter**

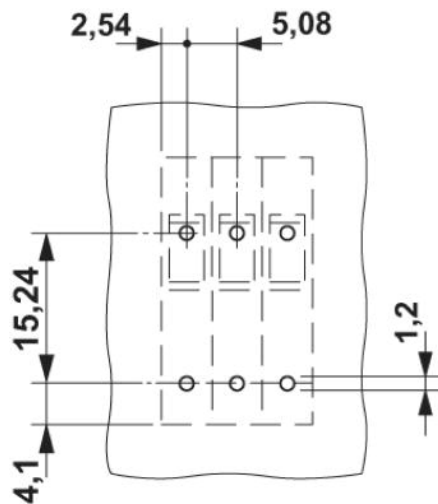
|         |        |                            |
|---------|--------|----------------------------|
| 0201744 | MPS-MT | Test plugs                 |
| 0201647 | RPS    | Reducing plug, Color: gray |

**Tools**

|         |                 |                                                                                                                     |
|---------|-----------------|---------------------------------------------------------------------------------------------------------------------|
| 1205121 | SZG 0,6X3,5 VDE | Screwdriver, bladed, graded, for test socket screws, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
|---------|-----------------|---------------------------------------------------------------------------------------------------------------------|

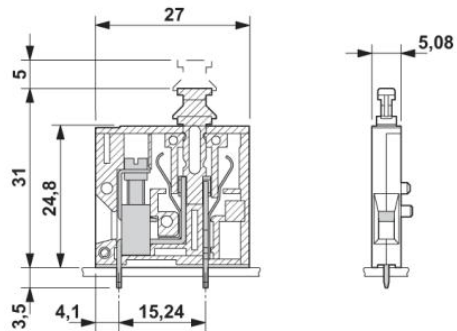
**Drawings**

Drilling plan/solder pad geometry



Dimensioned drawing

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