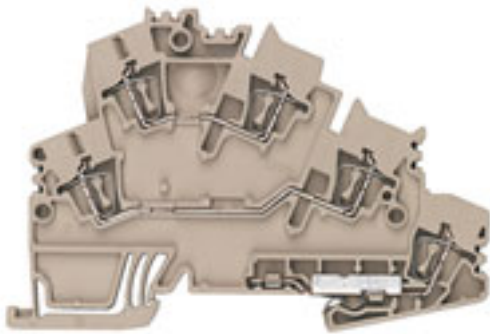


**Z terminal with tension spring connection  
ZDKPE 2.5-2**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and other Weidmüller terminal lines. Z-Series terminals have a large clamping range and one or two cross-connection slots.

**General ordering data**

|            |                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | ZDKPE 2.5-2                                                                                                                                              |
| Order No.  | <a href="#">1805940000</a>                                                                                                                               |
| Version    | Z terminal with tension spring connection, Feed-through terminal, Double-tier terminal, Rated cross-section: Tension clamp connection, Wemid, Dark Beige |
| GTIN (EAN) | 4032248280193                                                                                                                                            |
| Qty.       | 50 pc(s).                                                                                                                                                |

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## Technische Daten

### Dimensions and weights

|            |         |                          |         |
|------------|---------|--------------------------|---------|
| Length     | 89.5 mm | Width                    | 5.1 mm  |
| Height     | 59.5 mm | Height of lowest version | 60.5 mm |
| Net weight | 14.32 g |                          |         |

### Temperatures

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature            |        | Storage temperature              |        |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

### Additional technical data

|                          |                                                                                                                  |                             |         |
|--------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------|---------|
| Explosion-tested version | No                                                                                                               | Number of similar terminals | 1       |
| Open sides               | right                                                                                                            | Type of mounting            | Snap-on |
| Version                  | Tension-clamp connection,<br>With PE connection, for<br>plug-in cross-connector,<br>One end without<br>connector |                             |         |

### CSA ratings data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1236167 | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Current size B (CSA)          | 25 A   |
| Current size D (CSA)          | 10 A           | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG         |                               |        |

### Clampable wires (additional connection)

|                                                                                                   |                     |                                                                                                   |                     |
|---------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------|---------------------|
| Conductor cross-section, flexible plus<br>plastic collar DIN 46228/1, further<br>connection, min. | 0.5 mm <sup>2</sup> | Conductor cross-section, flexible plus<br>plastic collar DIN 46228/1, further<br>connection, max. | 2.5 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------|---------------------|

### Clampable wires (rated connection)

|                                                                                                                                                |                          |                                                                                                                                        |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                                             | Tension clamp connection | Stripping length                                                                                                                       | 10 mm                |
| Blade size                                                                                                                                     | 0.6 x 3.5 mm             | Connection direction                                                                                                                   | Inclined / angled    |
| Number of connections                                                                                                                          | 4                        | Clamping range, rated connection, min.                                                                                                 | 0.05 mm <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                                         | 4 mm <sup>2</sup>        | Gauge to IEC 60947-1                                                                                                                   | A2                   |
| Wire connection cross section, solid<br>core, max. rated connection                                                                            | 0.5 mm <sup>2</sup>      | Wire connection cross section, solid<br>core max. rated connection                                                                     | 4 mm <sup>2</sup>    |
| Wire connection cross section, finely<br>stranded, max.                                                                                        | 2.5 mm <sup>2</sup>      | Wire connection cross-section, finely<br>stranded, min.                                                                                | 0.5 mm <sup>2</sup>  |
| Wire connection cross section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, rated connection, min.                                | 0.5 mm <sup>2</sup>      | Wire connection cross section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, rated connection, max.                        | 2.5 mm <sup>2</sup>  |
| Cross-section for connected conductor,<br>finely stranded with wire-end ferrules<br>and plastic collars DIN 46228/4, rated<br>connection, min. | 0.5 mm <sup>2</sup>      | Wire connection cross-section, finely<br>stranded with wire-end ferrules and<br>plastic collars DIN 46228/4, rated<br>connection, max. | 1.5 mm <sup>2</sup>  |
| Wire connection cross section AWG,<br>min.                                                                                                     | AWG 30                   |                                                                                                                                        |                      |

### Rated data

|               |                      |                                 |      |
|---------------|----------------------|---------------------------------|------|
| Rated voltage | 800 V                | Rated impulse withstand voltage | 8 kV |
| Rated current | 24 A                 | Current at maximum wires        | 24 A |
| Standards     | IEC 60947-7-1 (-7-2) | Pollution severity              | 3    |

Erstellungs-Datum January 15, 2014 9:58:12 AM CET

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**Technische Daten****UL ratings data**

Certificate No. (cURus)

E60693

Conductor size Factory wiring max.  
(cURus)

12 AWG

Conductor size Factory wiring min.  
(cURus)

26 AWG

Conductor size Field wiring max. (cURus)

12 AWG

Conductor size Field wiring min. (cURus)

26 AWG

Current size C (cURus)

20 A

Voltage size C (cURus)

600 V

**Material data**

Insulating material

Wemid

Material

Wemid

Colour

Dark Beige

UL 94 flammability rating

V-0

**System specifications**

Product family

Z terminal with tension  
spring connection

Type of connection

Tension clamp connection

Connection direction

Inclined / angled

Number of levels

2

Number of connections

4

No. of clamping points per level

2

Levels cross-connected internally

No

Mounting rail

TS 35

End cover plate required

Yes

**Classifications**

ETIM 3.0

EC000897

UNSPSC

30-21-18-11

eClass 5.1

27-14-11-18

eClass 6.2

27-14-11-20

eClass 7.1

27-14-11-20

**Product information**

Descriptive text ordering data

Rated voltage is reduced to 400 V when using the cross-connector.

Descriptive text technical data

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.**Approvals**

Approvals



ROHS

Conform