

## ZPE 2.5N

**Weidmüller Interface GmbH & Co. KG**

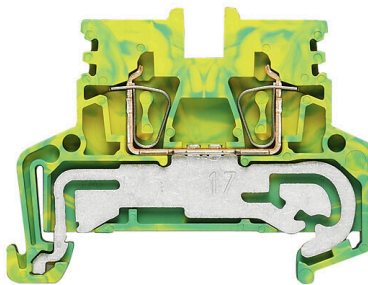
Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

### General ordering data

|            |   |
|------------|---|
| Version    | PE terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 300 A (2.5 mm <sup>2</sup> ), Green/yellow |
| Order No.  | <a href="#">1933760000</a>  |
| Type       | ZPE 2.5N  |
| GTIN (EAN) | 4032248586790   |
| Qty.       | 50 items  |

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## Technical data

### Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E60693                     |

### Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 38.5 mm     | Depth (inches) | 1.5157 inch |
| Depth including DIN rail | 39 mm       | Height         | 50.5 mm     |
| Height (inches)          | 1.9882 inch | Width          | 5.1 mm      |
| Width (inches)           | 0.2008 inch | Net weight     | 8.29 g      |

### Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C         |

### Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

### Material data

|                           |       |        |              |
|---------------------------|-------|--------|--------------|
| Basic material            | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0   |        |              |

### Rating data IECEx/ATEX

|                    |               |                     |          |
|--------------------|---------------|---------------------|----------|
| Marking EN 60079-7 | Ex eb II C Gb | Ex 2014/34/EU label | II 2 G D |
|--------------------|---------------|---------------------|----------|

### System specifications

|                                     |   |                          |     |
|-------------------------------------|---|--------------------------|-----|
| Version                             | Tension-clamp connection,<br>With PE connection, One<br>end without connector | End cover plate required | Yes |
| Number of potentials                | 1   | Number of levels         | 1   |
| Number of clamping points per level | 2   | PE connection            | No  |
| Mounting rail                       | TS 35   | PE function              | Yes |
| PEN function                        | No  |                          |     |

### Additional technical data

|                          |    |                  |         |
|--------------------------|----|------------------|---------|
| Explosion-tested version | No | Type of mounting | Snap-on |
|--------------------------|----|------------------|---------|

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## Technical data

### CSA rating data

|                               |        |                       |                |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 12 AWG | Certificate No. (CSA) | 200039-1842498 |
| Wire cross section min. (CSA) | 30 AWG |                       |                |

### Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

### Conductors for clamping (rated connection)

|   |                          |   |                      |
|---|--------------------------|---|----------------------|
| Gauge to IEC 60947-1  | A2                       | Wire connection cross section AWG, max.   | AWG 12               |
| Connection direction  | top                      | Stripping length  | 10 mm                |
| Type of connection  | Tension-clamp connection | Number of connections   | 2                    |
| Clamping range, max.  | 4 mm <sup>2</sup>        | Clamping range, min.  | 0.05 mm <sup>2</sup> |
| Blade size  | 0.6 x 3.5 mm             | Wire connection cross section AWG, min.   | AWG 26               |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.05 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.05 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>      | Wire connection cross section, finely stranded, min.                                    | 0.05 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 2.5 mm <sup>2</sup>      | Connection cross-section, stranded, min.  | 0.05 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>        | Wire connection cross-section, solid core, min.   | 0.05 mm <sup>2</sup> |
| Connection cross-section, finely stranded, min.   | 0.05 mm <sup>2</sup>     |   |                      |

### Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 26 mm |
|--------------|-------|

### General

|   |               |   |        |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 12        | Wire connection cross section AWG, min. | AWG 26 |
| Standards                               | IEC 60947-7-2 | Mounting rail                           | TS 35  |

### Rating data

|  |                     |  |               |
|--|---------------------|--|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage to adjoining terminal                  | 800 V         |
| Rated DC voltage                             | 800 V               | Standards  | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage to adjacent terminal | 6 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity                                   | 3             |

### UL rating data

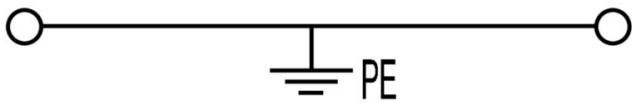
|  |        |  |        |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Certificate No. (cURus)                    | E60693 |
| Conductor size Field wiring min. (cURus)   | 30 AWG | Conductor size Factory wiring min. (cURus) | 30 AWG |
| Conductor size Field wiring max. (cURus)   | 12 AWG |  |        |

## Technical data

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000901    | ETIM 9.0    | EC000901    |
| ETIM 10.0   | EC000901    | ECLASS 14.0 | 27-25-01-03 |
| ECLASS 15.0 | 27-25-01-03 |             |             |

**Drawings**



## ZPE 2.5N

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## Accessories

## End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

## General ordering data

|            |                            |         |                                      |
|------------|----------------------------|---------|--------------------------------------|
| Type       | ZAP/TW ZDU/ZPE 2.5N        | Version |                                      |
| Order No.  | <a href="#">1933790000</a> | Version | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248587124              |         |                                      |
| Qty.       | 20 ST                      |         |                                      |

## End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

|            |                            |         |   |
|------------|----------------------------|---------|---|
| Type       | ZEW 35                     | Version |   |
| Order No.  | <a href="#">9540000000</a> | Version | End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C |
| GTIN (EAN) | 4008190956264              |         |   |
| Qty.       | 20 ST                      |         |   |

## Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

|            |                            |         |                                   |
|------------|----------------------------|---------|-----------------------------------|
| Type       | ZTA ZT2.5                  | Version |                                   |
| Order No.  | <a href="#">1827080000</a> | Version | Accessories, Test adapter, 17.5 A |
| GTIN (EAN) | 4032248411276              |         |                                   |
| Qty.       | 25 ST                      |         |                                   |

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## Accessories

|            |                            |                                   |
|------------|----------------------------|-----------------------------------|
| Type       | ZTA ZT2.5/ZA               | Version                           |
| Order No.  | <a href="#">1847600000</a> | Accessories, Test adapter, 17.5 A |
| GTIN (EAN) | 4032248412679              |                                   |
| Qty.       | 25 ST                      |                                   |

## Reducing sleeves



The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

## General ordering data

|            |                            |                           |
|------------|----------------------------|---------------------------|
| Type       | ZRH 1.5H/1                 | Version                   |
| Order No.  | <a href="#">1678810000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487324              |                           |
| Qty.       | 1000 ST                    |                           |
| Type       | ZRH 1.5H/2                 | Version                   |
| Order No.  | <a href="#">1678800000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487317              |                           |
| Qty.       | 1000 ST                    |                           |

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 WS 10/5              | Version                    |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 ST                     |                            |
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 ST                     |                            |

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## Accessories

### Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | SDIS SLIM 0.6X3.5X100      | Version   |  |
| Order No.  | <a href="#">2749610000</a> | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |  |
| GTIN (EAN) | 4050118896350              | thickness (A): 0.6 mm   |  |
| Qty.       | 1 ST                       |   |  |