

**GHDE ZPS2.5/1AN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

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**

|            |  |
|------------|--|
| Version    | Z-series, Coupling, Rated cross-section: 2.5 mm <sup>2</sup> , Plug-in connection, Direct mounting |
| Order No.  | <a href="#">1866070000</a>   |
| Type       | GHDE ZPS2.5/1AN  |
| GTIN (EAN) | 4032248513949  |
| Qty.       | 50 items   |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Height     | 42 mm  | Height (inches) | 1.6535 inch |
| Width      | 3 mm   | Width (inches)  | 0.1181 inch |
| Net weight | 1.51 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 | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

Version Plug-in connector, Hood

## Additional technical data

Installation advice Direct mounting

## 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  | Plug-in connection   | Number of connections   | 0                    |
| Clamping range, max.  | 4 mm <sup>2</sup>    | Clamping range, min.  | 0.13 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, min. | 0.13 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    |
| Wire connection cross section, finely stranded, min.                                    | 0.13 mm <sup>2</sup> | Connection cross-section, stranded, min.  | 0.13 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.   | 0.13 mm <sup>2</sup> |

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## Technical data

### General

|                     |                          |   |        |
|---------------------|--------------------------|---|--------|
| Number of poles     | 1                        | Wire connection cross section AWG, max. | AWG 12 |
| Installation advice | Direct mounting          | Wire connection cross section AWG, min. | AWG 26 |
| Standards           | IEC 60947-7-1, IEC 61984 |   |        |

### Rating data

|  |                     |                                 |                          |
|--|---------------------|---------------------------------|--------------------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 500 V                    |
| Rated DC voltage                             | 500 V               | Nominal current                 | 24 A                     |
| Current at maximum wires                     | 24 A                | Standards                       | IEC 60947-7-1, IEC 61984 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 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 | Voltage size D (cURus)                   | 600 V  |
| Certificate No. (cURus)                    | E60693 | Conductor size Field wiring min. (cURus) | 26 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Voltage size C (cURus)                   | 300 V  |
| Current size C (cURus)                     | 24 A   | Current size D (cURus)                   | 5 A    |
| Conductor size Field wiring max. (cURus)   | 12 AWG |  |        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002848    | ETIM 9.0    | EC002848    |
| ETIM 10.0   | EC002848    | ECLASS 14.0 | 27-25-03-90 |
| ECLASS 15.0 | 27-25-03-90 |             |             |