

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

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com

**Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

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

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**Technical data**
**Dimensions and weights**

|            |         |
|------------|---------|
| Net weight | 1.564 g |
|------------|---------|

**Temperatures**

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

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|         |                      |               |      |
|---------|----------------------|---------------|------|
| Version | Coupling, Cover hood | Mounting rail | none |
|---------|----------------------|---------------|------|

**Additional technical data**

|                     |                 |
|---------------------|-----------------|
| Installation advice | Direct mounting |
|---------------------|-----------------|

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection direction                                                                    | top                 |
| Gauge to IEC 60947-1                                                                    | A2                   | Stripping length                                                                        | 10 mm               |
| Type of connection                                                                      | Plug-in connection   | Wire connection cross section AWG, max.                                                 | AWG 12              |
| Wire connection cross section AWG, min.                                                 | AWG 26               | Wire connection cross section, finely stranded, max.                                    | 4 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. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded, min.                                    | 0.5 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> |                                                                                         |                     |

**Rating data**

|                     |                          |                                 |       |
|---------------------|--------------------------|---------------------------------|-------|
| Rated cross-section | 2.5 mm <sup>2</sup>      | Rated voltage                   | 500 V |
| Rated current       | 24 A                     | Current at maximum wires        | 24 A  |
| Standards           | IEC 60947-7-1, IEC 61984 | Rated impulse withstand voltage | 6 kV  |
| Pollution severity  | 3                        |                                 |       |

**UL rating 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)                     | 24 A   |
| Current size D (cURus)                     | 5 A    | Voltage size C (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 600 V  |                                            |        |

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**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | ETIM 4.0   | EC001284    |
| ETIM 5.0   | EC001284    | ETIM 6.0   | EC002848    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-20 |
| eClass 6.2 | 27-14-92-14 | eClass 7.1 | 27-14-92-14 |
| eClass 8.1 | 27-14-92-14 | eClass 9.0 | 27-14-11-92 |
| eClass 9.1 | 27-14-11-92 |            |             |

**Approvals**

Approvals



ROHS

Conform

**Downloads**

|                    |                                     |
|--------------------|-------------------------------------|
| Brochure/Catalogue | <a href="#">CAT 1 TERM 16/17 EN</a> |
| Engineering Data   | <a href="#">EPLAN, WSCAD</a>        |