

## Data sheet

### Z-series ZTR 2.5 BL

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

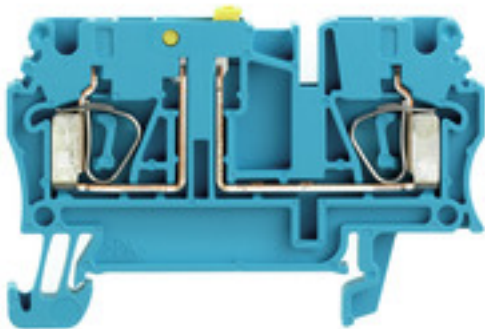
Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

### Product image



### 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       | ZTR 2.5 BL                                                                                            |
| Order No.  | <a href="#">8731710000</a>                                                                            |
| Version    | Test-disconnect terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 500 V, 20 A, Pivoting, blue |
| GTIN (EAN) | 4032248404896                                                                                         |
| Qty.       | 50 pc(s).                                                                                             |

Creation date 22 April 2020 10:11:05 CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

## Data sheet

### Z-series ZTR 2.5 BL

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technical data

### Dimensions and weights

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.1 mm  | Width (inches)  | 0.201 inch |
| Height                   | 59.5 mm | Height (inches) | 2.343 inch |
| Depth                    | 38.5 mm | Depth (inches)  | 1.516 inch |
| Depth including DIN rail | 41 mm   | Net weight      | 8.66 g     |

### Temperatures

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C        |                                  |        |

### Material data

|                           |       |        |      |
|---------------------------|-------|--------|------|
| Material                  | Wemid | Colour | blue |
| UL 94 flammability rating | V-0   |        |      |

### System specifications

|                                     |                                                                                          |                               |     |
|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Tension-clamp connection, Spacer, for plug-in cross-connector, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                        | Number of levels              | 1   |
| Number of clamping points per level | 2                                                                                        | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                                                                       | PE connection                 | No  |
| Rail                                | TS 35                                                                                    | N-function                    | Yes |
| PE function                         | No                                                                                       | PEN function                  | No  |

### Additional technical data

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | No      | Installation advice | Direct mounting |
| Number of similar terminals | 2       | Open sides          | right           |
| Type of mounting            | Snap-on |                     |                 |

### CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1152892 | Current size C (CSA)          | 15 A   |
| Current size D (CSA)          | 5 A            | Voltage size C (CSA)          | 600 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG         |                               |        |

### Conductors for clamping (additional connection)

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

## Data sheet

### Z-series ZTR 2.5 BL

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technical data

### Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.05 mm <sup>2</sup> | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | A3                   | Number of connections                                                                   | 2                        |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 30                   |
| 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 with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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.                                         | 0.5 mm <sup>2</sup>      |

### Disconnect terminals

|                  |          |                      |     |
|------------------|----------|----------------------|-----|
| Cross-disconnect | without  | Integral test socket | Yes |
| Slitting         | Pivoting |                      |     |

### Rating data

|                                             |                     |                                              |         |
|---------------------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section                         | 2.5 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated current                               | 20 A                | Current at maximum wires                     | 20 A    |
| Standards                                   | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 W              | Rated impulse withstand voltage              | 6 kV    |
| Pollution severity                          | 3                   |                                              |         |

### UL rating data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 30 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 30 AWG | Current size C (UR)                     | 20 A   |
| Voltage size C (UR)                     | 600 V  |                                         |        |

### Classifications

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000902    | ETIM 7.0   | EC000902    |
| eClass 9.0  | 27-14-11-26 | eClass 9.1 | 27-14-11-26 |
| eClass 10.0 | 27-14-11-26 | UNSPSC     | 30-21-18-11 |

### Approvals

Approvals



ROHS

Conform

Creation date 22 April 2020 10:11:05 CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

## Data sheet

### Z-series ZTR 2.5 BL

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technical data

### Downloads

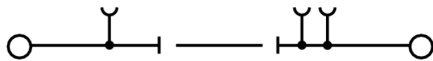
|                                             |                                                                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">DE_PT1102_20160418_1486_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                          |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                     |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                         |
| User Documentation                          | <a href="#">Usage of terminals in EXi atmospheres</a><br><a href="#">StorageConditionsTerminalBlocks</a>                     |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

**Data sheet****Z-series  
ZTR 2.5 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**



# SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

# [www.scatts.co.uk](http://www.scatts.co.uk)