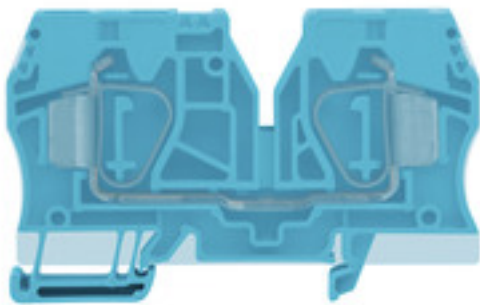


**ZEI 16 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Our feed-in terminal blocks in combination with cross-connections offer the possibility of flexible potential distribution on terminal blocks with a different rated cross-section.

**General ordering data**

|            |                                                                                   |
|------------|-----------------------------------------------------------------------------------|
| Version    | Supply terminal, Tension-clamp connection, 16 mm <sup>2</sup> , 500 V, 76 A, blue |
| Order No.  | <a href="#">1766240000</a>                                                        |
| Type       | ZEI 16 BL                                                                         |
| GTIN (EAN) | 4032248064939                                                                     |
| Qty.       | 20 pc(s).                                                                         |

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 50.5 mm    | Depth (inches) | 1.988 inch |
| Depth including DIN rail | 51.5 mm    | Height         | 82.5 mm    |
| Height (inches)          | 3.248 inch | Width          | 14.7 mm    |
| Width (inches)           | 0.579 inch | Net weight     | 44.19 g    |

**Temperatures**

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °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                             | Supply terminal, Tension-clamp connection, for plug-in cross-connector, in closed state | End cover plate required          | No    |
| Number of potentials                | 1                                                                                       | Number of levels                  | 1     |
| Number of clamping points per level | 2                                                                                       | Levels cross-connected internally | No    |
| PE connection                       | No                                                                                      | Rail                              | TS 35 |

**Additional technical data**

|                          |        |                             |         |
|--------------------------|--------|-----------------------------|---------|
| Explosion-tested version | No     | Number of similar terminals | 1       |
| Open sides               | closed | Type of mounting            | Snap-on |

**CSA rating data**

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1152892 | Current size B (CSA)          | 65 A  |
| Current size C (CSA)          | 65 A           | Current size D (CSA)          | 5 A   |
| Voltage size B (CSA)          | 600 V          | Voltage size C (CSA)          | 600 V |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 4 AWG |
| Wire cross section min. (CSA) | 14 AWG         |                               |       |

**Conductors for clamping (additional connection)**

|                                        |                          |
|----------------------------------------|--------------------------|
| Connection type, additional connection | Tension-clamp connection |
|----------------------------------------|--------------------------|

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 25 mm <sup>2</sup>       |
| Clamping range, min.                                                                    | 1.5 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 25 mm <sup>2</sup>       |
| Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | A7                  | Number of connections                                                                   | 2                        |
| Stripping length                                                                        | 18 mm               | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 4               | Wire connection cross section AWG, min.                                                 | AWG 14                   |
| Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 1.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup>      |

## General

|                                         |       |                                         |               |
|-----------------------------------------|-------|-----------------------------------------|---------------|
| Rail                                    | TS 35 | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 4 | Wire connection cross section AWG, min. | AWG 14        |

## Rating data

|                                              |                    |                                 |               |
|----------------------------------------------|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 16 mm <sup>2</sup> | Rated voltage                   | 500 V         |
| Rated DC voltage                             | 500 V              | Rated current                   | 76 A          |
| Current at maximum wires                     | 76 A               | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.42 mΩ            | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 2.43 W             | Pollution severity              | 3             |

## UL rating data

|                                            |        |                                            |       |
|--------------------------------------------|--------|--------------------------------------------|-------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 4 AWG |
| Conductor size Factory wiring min. (cURus) | 14 AWG | Conductor size Field wiring max. (cURus)   | 4 AWG |
| Conductor size Field wiring min. (cURus)   | 14 AWG | Current size C (cURus)                     | 65 A  |
| Voltage size C (cURus)                     | 600 V  |                                            |       |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 9.0  | 27-14-11-20 |
| ECLASS 9.1  | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |
| ECLASS 13.0 | 27-25-01-01 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |

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## Technical data

## Environmental Product Compliance

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

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319235/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319235/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Downloads

|                                             |                                                                                                                                                                                                                                      |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                      |
| User Documentation                          | <a href="#">Usage of terminals in EXi atmospheres</a><br><a href="#">Storage Conditions Terminal Blocks</a><br><a href="#">User Manual Z-Series</a>                                                                                  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                             |
| Brochures                                   |                                                                                                                                                                                                                                      |

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## Drawings

