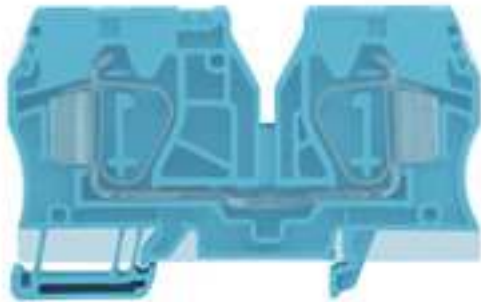


**Z-series
ZEI 16 BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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 | ZEI 16 BL |
| Order No. | 1766240000 |
| Version | Supply terminal, Tension clamp connection, 16 mm ² , 500 V, 76 A, Blue |
| GTIN (EAN) | 4032248064939 |
| Qty. | 20 pc(s). |

**Z-series
ZEI 16 BL**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

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

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| 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, closed | End cover plate required | No |
| Number of levels | 1 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | PE connection | No |
| Mounting 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 | | |

Z-series ZEI 16 BL

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 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 | 1.0 x 5.5 mm | Clamping range, max. | 25 mm ² |
| Clamping range, min. | 1.5 mm ² | Connection cross-section, stranded, max. | 25 mm ² |
| Connection cross-section, stranded, min. | 1.5 mm ² | 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 ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm ² | Wire connection cross-section, finely stranded, min. | 1.5 mm ² |
| Wire connection cross-section, solid core, max. | 16 mm ² | Wire connection cross-section, solid core, min. | 1.5 mm ² |

Rating data

| | | | |
|---------------------------------|--------------------|--|---------|
| Rated cross-section | 16 mm ² | Rated 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 | 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 3.0 | EC000897 | ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 | ETIM 6.0 | EC000897 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-20 |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 | | |

Product information

| | |
|--------------------------------|-----------------------|
| Descriptive text ordering data | Integrated end plate. |
|--------------------------------|-----------------------|

Data sheet

**Z-series
ZEI 16 BL**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DE_PT1101_20160418_1343_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | Usage of terminals in EXi atmospheres |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

Data sheet

Z-series
ZEI 16 BL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

