

**WPD 111 1X95/4X35 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables rapid, efficient implementation of space-saving power distribution.

**General ordering data**

|            |  |
|------------|--|
| Version    | Potential distributor terminal, Screw connection, blue, 95 mm <sup>2</sup> , 232 A, 1000 V, Number of connections: 5, Number of levels: 1, TS 35, Mounting plate, V-O, Wemid |
| Order No.  | <a href="#">2603800000</a>   |
| Type       | WPD 111 1X95/4X35 BL   |
| GTIN (EAN) | 4050118681277  |
| Qty.       | 1 pc(s).   |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 69.4 mm | Depth (inches)  | 2.732 inch |
| Height     | 105 mm  | Height (inches) | 4.134 inch |
| Width      | 36.6 mm | Width (inches)  | 1.441 inch |
| Net weight | 240 g   |                 |            |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 130 °C         |                                  |        |

## Material data

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

## System specifications

|                                     |                       |                                   |    |
|-------------------------------------|-----------------------|-----------------------------------|----|
| Version                             | Screw connection      | End cover plate required          | No |
| Number of potentials                | 1                     | Number of levels                  | 1  |
| Number of clamping points per level | 5                     | Levels cross-connected internally | No |
| Rail                                | TS 35, Mounting plate | N-function                        | No |
| PE function                         | No                    | PEN function                      | No |

## Additional technical data

|                          |                          |                     |                                |
|--------------------------|--------------------------|---------------------|--------------------------------|
| Explosion-tested version | Yes                      | Installation advice | Terminal rail / mounting plate |
| Open sides               | closed                   | Snap-on             | Yes                            |
| Type of mounting         | Snap-on, Direct mounting |                     |                                |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|                      |                  |                       |   |
|----------------------|------------------|-----------------------|---|
| Connection direction | on side          | Number of connections | 5 |
| Type of connection   | Screw connection |                       |   |

## General

|                     |                                |                 |               |
|---------------------|--------------------------------|-----------------|---------------|
| Installation advice | Terminal rail / mounting plate | Number of poles | 1             |
| Rail                | TS 35, Mounting plate          | Standards       | IEC 60947-7-1 |

## Rating data

|                                 |                    |                    |               |
|---------------------------------|--------------------|--------------------|---------------|
| Rated cross-section             | 95 mm <sup>2</sup> | Rated voltage      | 1,000 V       |
| Rated AC voltage                | 1,000 V            | Rated DC voltage   | 1,500 V       |
| Rated current                   | 232 A              | Standards          | IEC 60947-7-1 |
| Rated impulse withstand voltage | 8 kV               | Pollution severity | 3             |
| Surge voltage category          | III                |                    |               |

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## Technical data

## UL rating data

|                         |        |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | 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 | 27-25-01-19 |
| ECLASS 14.0 | 27-25-01-19 |             |             |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |

## Important note

|                     |  |
|---------------------|--|
| Product information | The socket complies with flammability class V-2 according to UL94. |
|---------------------|--|

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |
| Certificate no. (cULus) | E511333    |

## Downloads

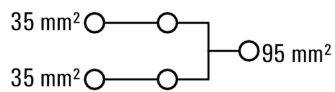
|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CB Certificate</a><br><a href="#">VDE Certificate</a><br><a href="#">DNV Certificate</a><br><a href="#">UL certificate</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| User Documentation                          | <a href="#">Manual - How to connect aluminum wires in WPD-Terminal blocks</a><br><a href="#">Torque_Conductor_Connection_Data_WPD_EN</a><br><a href="#">Drehmoment_Leiteranschlussdaten_WPD_DE</a>     |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

## WPD 111 1X95/4X35 BL

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


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## Drawings



**Conductor connection data according to IEC 60947-1 (Cu)**






| connection point A |           | connection point B |           |
|--------------------|-----------|--------------------|-----------|
| Input              | Output    | Input              | Output    |
| 1x 95 mm²          | 1x 25 mm² | 1x 95 mm²          | 1x 25 mm² |
| 95 mm²             | 25 mm²    | 95 mm²             | 25 mm²    |
| 75 mm²             | 25 mm²    | 75 mm²             | 25 mm²    |
| 50 mm²             | 16 mm²    | 50 mm²             | 16 mm²    |
| 35 mm²             | 10 mm²    | 35 mm²             | 10 mm²    |
| 25 mm²             | 6 mm²     | 25 mm²             | 6 mm²     |
| 16 mm²             | 4 mm²     | 16 mm²             | 4 mm²     |
| 10 mm²             | 2.5 mm²   | 10 mm²             | 2.5 mm²   |
| Stripping length   | 27 mm     | Stripping length   | 18 mm     |
| Alarm range        | 80°C      | Alarm range        | 100       |



 Standard   
  Solid   
  Flexible with female   
  Sector shaped   
  Flat band

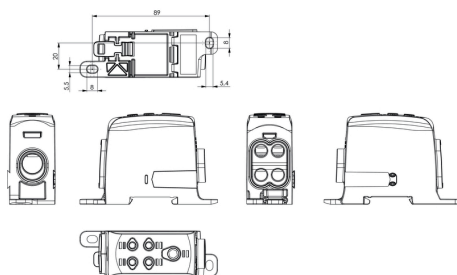
 output   
 input

**Conductor connection data according to IEC 60947-1 (Cu)**

| connection point A |         | connection point B |         |
|--------------------|---------|--------------------|---------|
| Input              | Output  | Input              | Output  |
| 95 mm²             | 25 mm²  | 95 mm²             | 25 mm²  |
| 75 mm²             | 25 mm²  | 75 mm²             | 25 mm²  |
| 50 mm²             | 16 mm²  | 50 mm²             | 16 mm²  |
| 35 mm²             | 10 mm²  | 35 mm²             | 10 mm²  |
| 25 mm²             | 6 mm²   | 25 mm²             | 6 mm²   |
| 16 mm²             | 4 mm²   | 16 mm²             | 4 mm²   |
| 10 mm²             | 2.5 mm² | 10 mm²             | 2.5 mm² |
| Stripping length   | 27 mm   | Stripping length   | 18 mm   |
| Alarm range        | 80°C    | Alarm range        | 100     |

 Standard   
  Solid   
  Flexible with female   
  Sector shaped   
  Flat band

 output   
 input



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Marker holder**

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

**General ordering data**

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 pc(s).                 |                            |
| Type       | BZT 1 WS 10/5              | Version                    |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 pc(s).                 |                            |

## Power distribution

### Screw connection

#### W-Series

#### WPD 111 1X95/4X35 GY

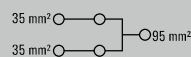


WPD 111

95 mm<sup>2</sup>

|                               |                   |
|-------------------------------|-------------------|
| Width / Height / Depth        | mm                |
| max. current / max. conductor | A/mm <sup>2</sup> |
| max. clamping range           | mm <sup>2</sup>   |

36.6 / 69.4 / 105  
232 / 95  
2.5...95



#### Technical data

| Rated data   |                    |                 |
|--|--------------------|-----------------|
| Rated voltage  |                    | V               |
| Rated current  |                    | A               |
| for wire cross-section                               | 95 mm <sup>2</sup> | mm <sup>2</sup> |
| Rated impulse withstand voltage / Pollution severity |                    |                 |
| Overvoltage category / UL 94 flammability rating     |                    |                 |
| Approvals  |                    |                 |
| Clamped conductors (H05V/H07V)                       |                    |                 |
| Solid / Stranded                                     | 95 mm <sup>2</sup> | mm <sup>2</sup> |
|  | 35 mm <sup>2</sup> | mm <sup>2</sup> |
| Flexible with ferrule                                | 95 mm <sup>2</sup> | mm <sup>2</sup> |
|  | 35 mm <sup>2</sup> | mm <sup>2</sup> |
| Stripping length / Blade size                        | 95 mm <sup>2</sup> | mm/-            |
|  | 35 mm <sup>2</sup> | mm/-            |
| Tightening torque                                    |                    | Nm              |
| Note   |                    |                 |

#### IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| IEC  | UL        | CSA | EN 60079-7 |
|------|-----------|-----|------------|
| 1000 | 1000      |     |            |
| 232  | 230       |     |            |
| 95   | AWG 4/0   |     |            |
|      | 8 kV / 3  |     |            |
|      | III / V-0 |     |            |

#### Bemessungsanschluss

|  |
|--|
| 16...95 / 16...95                      |
| 4...35 / 4...35                        |
| 10...70                                |
| 2.5...25                               |
| 21 / M12                               |
| 16 / M8                                |
| see appendix at the end of the chapter |

#### Ordering data

| Version |       |
|---------|-------|
|         | grey  |
|         | blue  |
|         | red   |
|         | black |
| Note    |       |

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| WPD 111 1X95/4X35 GY | 1    | 2603790000 |
| WPD 111 1X95/4X35 BL | 1    | 2603800000 |
| WPD 111 1X95/4X35 RD | 1    | 2730310000 |
| WPD 111 1X95/4X35 BK | 1    | 2730320000 |



#### Accessories




| End bracket |            |
|-------------|------------|
|             | dark beige |
|             | dark beige |
| Screwdriver |            |
|             | SET        |






| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WEW 35/2          | 100  | 1061200000 |
| AEB 35 SC/1       | 50   | 1991920000 |
| SDK PZ2 X 100     | 1    | 2749450000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |







## Conductor connection data according to IEC 60947-7-1





| connection point A    |   |   |
|-----------------------|---|---|
| Input                 | Copper  |   |
| 1x 95 mm <sup>2</sup> |  |  |
| 95 mm <sup>2</sup>    | 14 Nm   | 14 Nm   |
| 70 mm <sup>2</sup>    |   |   |
| 50 mm <sup>2</sup>    |   |   |
| 35 mm <sup>2</sup>    |   |   |
| 25 mm <sup>2</sup>    |   |   |
| 16 mm <sup>2</sup>    |   |   |
| 10 mm <sup>2</sup>    |   |   |
| Stripping lengths     | 21 mm   |   |
| Allen screw           | M12   |   |

| connection point A    |  |   |
|-----------------------|--|---|
| Copper                |  |   |
| Output                | <br> |  |
| 1x 35 mm <sup>2</sup> | 6 Nm   | 6 Nm  |
| 35 mm <sup>2</sup>    |  |   |
| 25 mm <sup>2</sup>    |  |   |
| 16 mm <sup>2</sup>    |  |   |
| 10 mm <sup>2</sup>    |  |   |
| 6 mm <sup>2</sup>     |  |   |
| 4 mm <sup>2</sup>     |  |   |
| 2,5 mm <sup>2</sup>   |  |   |
| Stripping lengths     | 16 mm  |   |
| Allen screw           | M8   |   |

 Stranded
  Solid
  Flexible with ferrule
  Sector shaped
  Flat band

## UL Rating data according to UL 1059

| Certificate no. (UR) XCFR2.E60693 |   |   |   |   |
|-----------------------------------|---|---|---|---|
| connection point A                |   |   |   |   |
| Input (line)                      | Copper  |   | Aluminium   |   |
|                                   |  |  |  |  |
| AWG 4/0                           | 200 Lb In.  | 200 Lb In.  | 200 Lb In.  | 200 Lb In.  |
| AWG 3/0                           |   |   |   |   |
| AWG 2/0                           |   |   |   |   |
| AWG 1/0                           |   |   |   |   |
| AWG 1                             |   |   |   |   |
| AWG 2                             |   |   |   |   |
| AWG 3                             |   |   |   |   |
| AWG 4                             |   |   |   |   |
| AWG 6                             |   |   |   |   |
| AWG 8                             |   |   |   |   |
| max. current                      | 230 A   | 200 A   | 180 A   | 155 A   |
| Voltage size B,C (UR)             | 1000 V  |   |   |   |

| connection point 1 / 2 / 3 / 4 |   |   |   |   |
|--------------------------------|---|---|---|---|
| Output                         | Copper  |   | Aluminium   |   |
|                                |  |  |  |  |
| AWG 2                          | 124.8 Lb In.  | 124.8 Lb In.  | 124.8 Lb In.  | 124.8 Lb In.  |
| AWG 3                          |   |   |   |   |
| AWG 4                          |   |   |   |   |
| AWG 6                          |   |   |   |   |
| AWG 8                          |   |   |   |   |
| AWG 10                         |   |   |   |   |
| AWG 12                         |   |   |   |   |
| AWG 14                         |   |   |   |   |
| max. current                   | 115 A   | 100 A   | 90 A  | 75 A  |
| Voltage size B,C (UR)          | 1000 V  |   |   |   |

