

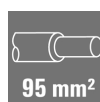
**WGK 95/Z BK BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

The WGK finger-proof-insulated enclosures are especially suitable as industrial electronic enclosures for frequency converters, power supplies or filter components which offer a convenient and reliable form of connection internally and externally. To match the wire guides to the installation requirements in the best possible way, Weidmüller offers two versions with horizontal (WGK) and vertical (WGKV) outlet directions.

**General ordering data**

|              |   |
|--------------|---|
| Version      | OMNIMATE Power - series WGK, Feed-through terminal, Rated cross-section: 95 mm², Screw connection, Wemid (PA), black, Direct mounting, Feed-through (bushing) |
| Order No.    | <a href="#">1250690000</a>  |
| Type         | WGK 95/Z BK BX  |
| GTIN (EAN)   | 4050118041873   |
| Qty.         | 10 pc(s).   |
| Product data | IEC: 1000 V / 232 A<br>UL: 600 V / 255 A / AWG 4 - kcmil 250  |
| Packaging    | Box   |

Creation date June 4, 2024 6:37:53 AM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

## WGK 95/Z BK BX

Weidmüller Interface GmbH &amp; Co. KG

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## Technical data

## Dimensions and weights

|                          |            |                 |            |
|--------------------------|------------|-----------------|------------|
| Height                   | 74 mm      | Height (inches) | 2.913 inch |
| Height of lowest version | 74 mm      | Width           | 25 mm      |
| Width (inches)           | 0.984 inch | Length          | 95 mm      |
| Length (inches)          | 3.74 inch  | Net weight      | 245.8 g    |

## System parameters

|                            |                             |  |                  |
|----------------------------|-----------------------------|--|------------------|
| Product family             | OMNIMATE Power - series WGK | Wire connection method                     | Screw connection |
| Conductor outlet direction | 180°                        | Number of poles                            | 1                |
| Fitted by customer         | Yes                         | Tightening torque, min.                    | 15 Nm            |
| Tightening torque, max.    | 20 Nm                       | Clamping screw                             | M8/Hexagon       |
| Stripping length           | 27 mm                       | Touch-safe protection acc. to DIN VDE 0470 | IP 20            |
| Protection degree          | IP20                        |  |                  |

## Material data

|                                       |            |                                       |        |
|---------------------------------------|------------|---------------------------------------|--------|
| Insulating material                   | Wemid (PA) | Colour                                | black  |
| Colour chart (similar)                | RAL 9011   | UL 94 flammability rating             | V-0    |
| Contact material                      | Cu-alloy   | Contact surface                       | tinned |
| Storage temperature, min.             | -40 °C     | Storage temperature, max.             | 70 °C  |
| Operating temperature, min.           | -50 °C     | Operating temperature, max.           | 120 °C |
| Temperature range, installation, min. | -25 °C     | Temperature range, installation, max. | 120 °C |

## Conductors suitable for connection

|   |   |   |                    |
|---|---|---|--------------------|
| Clamping range, min.                      | 35 mm <sup>2</sup>  | Clamping range, max.                      | 95 mm <sup>2</sup> |
| Wire connection cross section AWG, min.   | AWG 4   | Wire connection cross section AWG, max.   | kcmil 250          |
| Stranded, min. H07V-R                     | 35 mm <sup>2</sup>  | Stranded, max. H07V-R                     | 95 mm <sup>2</sup> |
| Flexible, min. H05(07) V-K                | 35 mm <sup>2</sup>  | Flexible, max. H05(07) V-K                | 95 mm <sup>2</sup> |
| w. wire end ferrule, DIN 46228 pt 1, min. | 35 mm <sup>2</sup>  | w. wire end ferrule, DIN 46228 pt 1, max. | 95 mm <sup>2</sup> |
| Reference text                            | Length of ferrules is to be chosen depending on the product and the rated voltage. The outside diameter of the plastic collar should not be larger than the pitch (P) |   |                    |

## Rated data acc. to IEC

|   |             |  |         |
|---|-------------|--|---------|
| tested acc. to standard   | IEC 60664-1 | Rated current, min. number of poles (Tu=20°C)                  | 232 A   |
| Rated current, max. number of poles (Tu=20°C)                             | 232 A       | Rated voltage for surge voltage class / pollution degree III/3 | 1,000 V |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 8 kV        |  |         |

## Rated data acc. to CSA

|                                   |       |                                   |           |
|-----------------------------------|-------|-----------------------------------|-----------|
| Rated voltage (Use group B / CSA) | 600 V | Rated voltage (Use group C / CSA) | 600 V     |
| Rated current (Use group B / CSA) | 255 A | Rated current (Use group C / CSA) | 255 A     |
| Wire cross-section, AWG, min.     | AWG 4 | Wire cross-section, AWG, max.     | kcmil 250 |

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## Technical data

## Rated data acc. to UL 1059

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (Use group B / UL 1059) 600 V

Rated voltage (Use group C / UL 1059) 600 V

Rated current (Use group B / UL 1059) 255 A

Rated current (Use group C / UL 1059) 255 A

Wire cross-section, AWG, min. AWG 4

Wire cross-section, AWG, max. kcmil 250

Reference to approval values  
Specifications are maximum values, details - see approval certificate.

## Packing

|           |        |            |        |
|-----------|--------|------------|--------|
| Packaging | Box    | VPE length | 271 mm |
| VPE width | 116 mm | VPE height | 97 mm  |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001283    | ETIM 7.0    | EC001283    |
| ETIM 8.0    | EC001283    | ETIM 9.0    | EC001283    |
| ECLASS 9.0  | 27-14-11-34 | ECLASS 9.1  | 27-14-11-34 |
| ECLASS 10.0 | 27-14-11-34 | ECLASS 11.0 | 27-14-11-34 |
| ECLASS 12.0 | 27-14-11-34 | ECLASS 13.0 | 27-14-11-34 |

## Important note

Notes

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1–6 mm = 1000 V; metal walls: < 1 mm = 1000 V; metal walls: 1–3.5 mm = 800 V; metal walls: 3.5–5.5 mm = 690 V
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

## Approvals

Approvals



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

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# Technical data

## Downloads

|  |   |
|--|---|
| Approval/Certificate/Document of Con-<br>formity | <a href="#">Declaration of the Manufacturer</a>   |
| Engineering Data                                 | <a href="#">CAD data – STEP</a>   |
| Catalogues                                       | <a href="#">Catalogues in PDF-format</a>  |
| Brochures  | <a href="#">FL DRIVES EN</a><br><a href="#">MB DEVICE MANUF. EN</a><br><a href="#">FL DRIVES DE</a><br><a href="#">FL_BASE_STATION_EN</a><br><a href="#">FL ELEVATOR EN</a><br><a href="#">FL POWER SUPPLY EN</a><br><a href="#">FL 72H SAMPLE SER EN</a><br><a href="#">PO OMNIMATE EN</a><br><a href="#">PO OMNIMATE EN</a> |

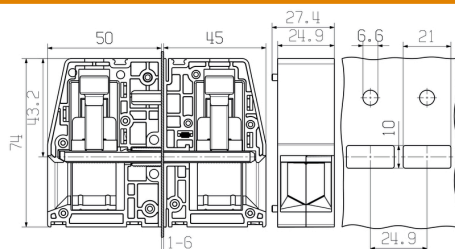
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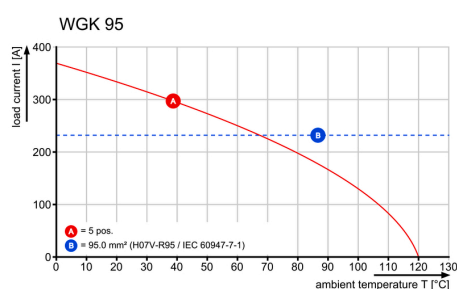
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## Drawings

### Dimensional drawing



### Graph



## WGK 95/Z BK BX

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## Accessories

## Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

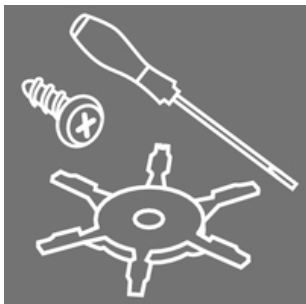
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/8 MC NE WS           | Version   |
| Order No.  | <a href="#">1856740000</a> | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400850              | Weidmueller, white  |
| Qty.       | 800 pc(s).                 |   |

## Accessories



**Integrate, expand and customise: the perfect supplement to every application.**

Universal system accessories enable easy adaptation of the interfaces to fulfil specific requirements for the relevant application.

## General ordering data

|            |                            |  |              |
|------------|----------------------------|--|--------------|
| Type       | DP WGK 95 BK BX            | Version  | Product data |
| Order No.  | <a href="#">1250620000</a> | OMNIMATE Power - series WGK, Feed-through terminal | UL:          |
| GTIN (EAN) | 4050118041811              |  |              |
| Qty.       | 10 pc(s).                  |  |              |

|            |                            |  |              |
|------------|----------------------------|--|--------------|
| Type       | DP WGK 95 GY BX            | Version  | Product data |
| Order No.  | <a href="#">1937020000</a> | OMNIMATE Power - series WGK, Feed-through terminal | UL:          |
| GTIN (EAN) | 4032248664801              |  |              |
| Qty.       | 10 pc(s).                  |  |              |

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## Accessories

## Socket wrench sets



Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.

## General ordering data

|            |                            |               |
|------------|----------------------------|---------------|
| Type       | SK WSD-S 1,5-10,0          | Version       |
| Order No.  | <a href="#">9008850000</a> | Mounting tool |
| GTIN (EAN) | 4032248266609              |               |
| Qty.       | 1 pc(s).                   |               |

## Blank



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Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
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## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/6 MC NE WS           | Version   |
| Order No.  | <a href="#">1609820000</a> | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436              | Weidmueller, white  |
| Qty.       | 1,000 pc(s).               |   |

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## Accessories

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## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/5 MC NE WS           | Version   |
| Order No.  | <a href="#">1609801044</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111              | Weidmueller, white  |
| Qty.       | 1,000 pc(s).               |   |