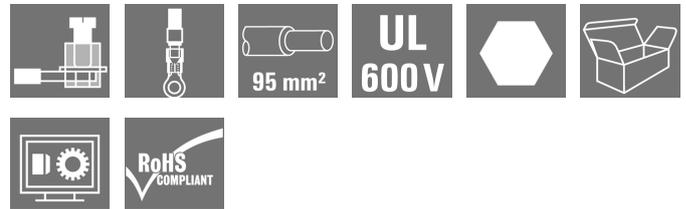


## OMNIMATE Power - series WGK WGK 95F VP GY BX

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

Type	WGK 95F VP GY BX
Order No.	<a href="#">1937130000</a>
Version	OMNIMATE Power - series WGK, Feed-through terminal, Rated cross-section: 95 mm <sup>2</sup> , Screw connection, Wemid (PA), grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664726
Qty.	10 pc(s).
Product data	IEC: 1000 V / 232 A / 35 - 95 mm <sup>2</sup> UL: 600 V / 230 A / AWG 4 - AWG 4/0
Packaging	Box

Creation date August 17, 2020 9:09:07 AM CEST

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

Length	49.5 mm	Length (inches)	1.949 inch
Width	25 mm	Width (inches)	0.984 inch
Height	74 mm	Height (inches)	2.913 inch
Height of lowest version	74 mm	Net weight	185.2 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**System parameters**

Product family	OMNIMATE Power - series WGK	Wire connection method	Cable lug: ring cable / spade lug
Conductor outlet direction	180°	Fitted by customer	No
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		

**Material data**

Insulating material	Wemid (PA)	Colour	grey
Colour chart (similar)	RAL 7035	UL 94 flammability rating	V-0
Contact material	E-Cu	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.	AWG 4/0
Solid, min. H05(07) V-U	35 mm <sup>2</sup>	Solid, max. H05(07) V-U	95 mm <sup>2</sup>
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)	Max. clamping range	95 mm <sup>2</sup>

**Rated data acc. to IEC**

tested acc. to standard	IEC 60664-1, IEC 61984	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		

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**Technical data**

**Rated data acc. to CSA**

Institute (CSA)				Certificate No. (CSA)	
				200039-1830694	
Rated voltage (Use group B / CSA)	600 V	Rated voltage (Use group C / CSA)	600 V		
Rated current (Use group B / CSA)	230 A	Rated current (Use group C / CSA)	230 A		
Wire cross-section, AWG, min.	AWG 4	Wire cross-section, AWG, max.	AWG 4/0		
Reference to approval values	Specifications are maximum values, details - see approval certificate.				

**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)	230 A	Rated current (Use group C / UL 1059)	230 A		
Wire cross-section, AWG, min.	AWG 4	Wire cross-section, AWG, max.	AWG 4/0		
Reference to approval values	Specifications are maximum values, details - see approval certificate.				

**Packing**

Packaging	Box	VPE length	100 mm
VPE width	115 mm	VPE height	265 mm

**Classifications**

ETIM 6.0	EC001283	ETIM 7.0	EC001283
eClass 9.0	27-14-11-34	eClass 9.1	27-14-11-34
eClass 10.0	27-14-11-34	UNSPSC	30-21-18-11

**Notes**

- 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 colours 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
  - Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

**Data sheet****OMNIMATE Power - series WGK  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
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Brochure/Catalogue

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[CAT 2 PORTFOLIOGUIDE EN](#)  
[FL\\_BASE\\_STATION\\_EN](#)  
[FL ELEVATOR EN](#)  
[FL POWER SUPPLY EN](#)  
[FL 72H SAMPLE SER EN](#)  
[PO OMNIMATE EN](#)

Engineering Data

[EPLAN, WSCAD](#)

Engineering Data

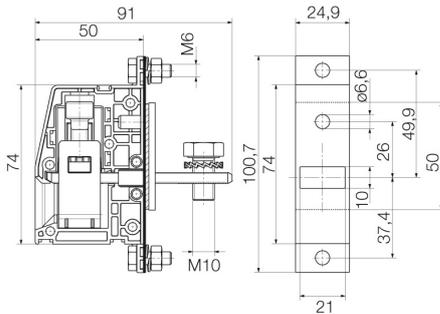
[STEP](#)

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**Drawings**

**Dimensional drawing**



**Graph**

