

OMNIMATE Power - series WGK WGK 95/Z SW

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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 95/Z SW
Order No.	1250690000
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 95 mm², Screw connection, Wemid (PA), Black, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4050118041873
Qty.	10 pc(s).
Product data	IEC: 1000 V / 232 A / 35 - 95 mm² UL: 600 V / 230 A / AWG 4 - AWG 4/0
Packaging	Box

Erstellungs-Datum December 20, 2013 7:57:02 AM CET

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Technische Daten

Dimensions and weights

Length	95 mm	Width	25 mm
Height	74 mm	Height of lowest version	74 mm
Net weight	250.4 g		

System characteristics

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw connection
Conductor outlet direction	180°	Fitted by customer	Yes
Tightening torque, min.	15 Nm	Tightening torque, max.	20 Nm
Clamping screw	M8/Hexagon	Stripping length	27 mm

Material data

Insulating material	Wemid (PA)	Colour	Black
UL 94 flammability rating	V-0	Contact material	E-Cu
Contact surface	tinned		

Connectable conductors

Clamping range, rated connection, min.	35 mm ²	Clamping range, rated connection, max.	95 mm ²
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 ²	Solid, max. H05(07) V-U	95 mm ²
Stranded, max. H07V-R	95 mm ²	Stranded, min. H07V-R	35 mm ²
Flexible, min. H05(07) V-K	35 mm ²	Flexible, max. H05(07) V-K	95 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	35 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	95 mm ²

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	232 A	Rated current, max. no. 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 classcontamination degree III/3	8 kV

CSA rating data

Rated voltage (Use group B)	600 V	Rated current (use group B)	230 A
Wire cross-section, AWG, min.	AWG 4	Wire cross-section, AWG, max.	AWG 4/0

UL 1059 rating data

Rated voltage (use group B)	600 V	Rated current (use group B)	230 A
Wire cross-section, AWG, min.	AWG 4	Wire cross-section, AWG, max.	AWG 4/0

Classifications

eClass 6.2	27-14-11-34	eClass 7.1	27-14-11-34
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Notes

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- 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: BL = black; GN/YL = green yellow; none = 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

Approvals

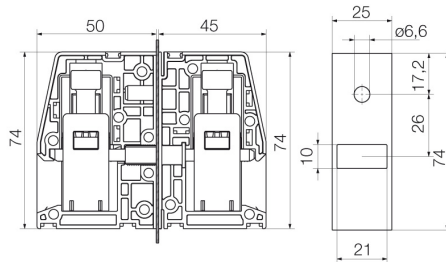
Approvals



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Zeichnungen



WGK 95

