

OMNIMATE Power - series WGK WGKV 4

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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	WGKV 4
Order No.	1934050000
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 4 mm², Screw connection, Wemid (PA), Grey, Feed-through (bushing)
GTIN (EAN)	4032248588626
Qty.	50 pc(s).
Product data	IEC: 500 V / 32 A / 0.5 - 6 mm² UL: 300 V / 30 A / AWG 30 - AWG 10
Packaging	Box

Erstellungs-Datum January 27, 2014 10:30:22 AM CET

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Technische Daten
Dimensions and weights

Length	40 mm	Width	8.1 mm
Height	24 mm	Height of lowest version	24 mm
Net weight	8.88 g		

System characteristics

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw connection
Conductor outlet direction	90°/270°	Fitted by customer	No
Screwdriver blade	0.6 x 3.5	Tightening torque, min.	0.6 Nm
Tightening torque, max.	0.8 Nm	Clamping screw	M 3
Stripping length	8 mm		

Material data

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

Connectable conductors

Clamping range, rated connection, min.	0.5 mm ²	Clamping range, rated connection, max.	6 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 10
Solid, min. H05(07) V-U	0.5 mm ²	Solid, max. H05(07) V-U	6 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Flexible, max. H05(07) V-K	4 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	4 mm ²

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	32 A	Rated current, max. no. of poles (Tu=20°C)	32 A
Rated voltage for surge voltage class pollution degree III/3	500 V	Rated impulse voltage for surge voltage classcontamination degree III/3	6 kV

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	30 A	Wire cross-section, AWG, min.	AWG 30
Wire cross-section, AWG, max.	AWG 10		

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	30 A
Wire cross-section, AWG, min.	AWG 30	Wire cross-section, AWG, max.	AWG 10

Classifications

ETIM 3.0	EC001283	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-34	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 - 4 mm = 500 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- WGKV: Rated voltage plastic walls: 1 - 4 mm = 400 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- VWGK: Rated voltage plastic walls: 1 - 4 mm = 500 V; metal walls: 1 - 4 mm = 500 V

Approvals

Approvals



ROHS

Conform

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Zeichnungen

