

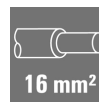
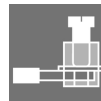
WGK 10/Z TX GY BX**Weidmüller Interface GmbH & Co. KG**

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: 10 mm ² , Wemid (PA)
Order No.	2984610000
Type	WGK 10/Z TX GY BX
GTIN (EAN)	4099986845930
Qty.	50 pc(s).
Product data	IEC: 500 V / 57 A / 0.5 - 16 mm ² UL: 300 V / 65 A / AWG 24 - AWG 6
Packaging	Box

WGK 10/Z TX GY BX

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Technical data

Dimensions and weights

Net weight	19.78 g
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System parameters

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw connection
Conductor outlet direction	180°	Fitted by customer	Yes
Screwdriver blade	0.8 x 4.0, TX 15	Tightening torque, min.	1.2 Nm
Tightening torque, max.	1.9 Nm	Clamping screw	M 4x9.9
Stripping length	11 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20
Protection degree	IP20		

Material data

Insulating material	Wemid (PA)	Colour	grey
Colour chart (similar)	RAL 7035	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.	0.5 mm ²	Clamping range, max.	16 mm ²
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section AWG, max.	AWG 6
Solid, min. H05(07) V-U	0.5 mm ²	Solid, max. H05(07) V-U	16 mm ²
Stranded, min. H07V-R	10 mm ²	Stranded, max. H07V-R	16 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Flexible, max. H05(07) V-K	10 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	10 mm ²
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)	57 A
Rated current, max. number of poles (Tu=20°C)	57 A	Rated voltage for surge voltage class / pollution degree III/3	500 V
Rated impulse voltage for surge voltage class/ contamination degree III/3	6 kV		

Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	300 V
Rated current (Use group B / CSA)	65 A	Rated current (Use group C / CSA)	65 A
Wire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 6

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Technical data

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059) 300 V

Rated current (Use group B / UL 1059) 65 A

Wire cross-section, AWG, min. AWG 24

Rated voltage (Use group C / UL 1059) 300 V

Rated current (Use group C / UL 1059) 65 A

Wire cross-section, AWG, max. AWG 6

Packing

Packaging Box

VPE width 0

VPE length 0

VPE height 0

Classifications

ETIM 6.0 EC001283

ETIM 8.0 EC001283

ETIM 10.0 EC001283

ECLASS 9.1 27-14-11-34

ECLASS 11.0 27-14-11-34

ECLASS 13.0 27-14-11-34

ECLASS 15.0 27-14-11-34

ETIM 7.0 EC001283

ETIM 9.0 EC001283

ECLASS 9.0 27-14-11-34

ECLASS 10.0 27-14-11-34

ECLASS 12.0 27-14-11-34

ECLASS 14.0 27-14-11-34

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

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 - 4 mm = 500 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Approvals

ROHS Conform

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Drawings

Dimensional drawing

Derating curve

