



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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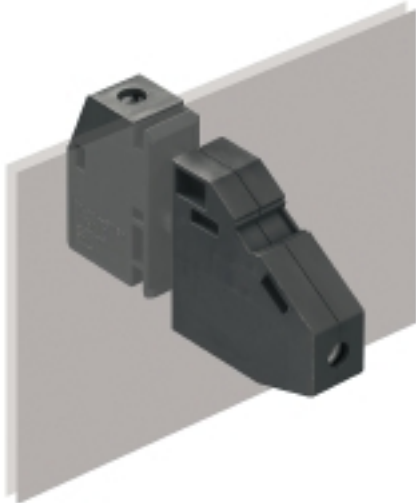
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OMNIMATE Power - series WGK WGKV 10 GN/YE BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



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 10 GN/YE BX
Order No.	2439530000
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 10 mm ² , Wemid (PA)
GTIN (EAN)	4050118467864
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

**OMNIMATE Power - series WGK
WGKV 10 GN/YE BX**

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Technical data
Dimensions and weights

Net weight 20.14 g

System parameters

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw connection
Conductor outlet direction	90°/270°	Fitted by customer	No
Screwdriver blade	0.8 x 4.0	Tightening torque, min.	1.2 Nm
Tightening torque, max.	2.4 Nm	Clamping screw	M 4
Stripping length	11 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20

Material data

Insulating material	Wemid (PA)	Colour	green / yellow
Colour chart (similar)	Not specified	UL 94 flammability rating	V-0
Contact material	E-Cu	Contact surface	tinned
Storage temperature, min.	-25 °C	Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %	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

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Tu=20°C)	57 A
Rated current, max. no. 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)	300 V	Rated voltage (Use group C)	300 V
Rated current (use group B)	65 A	Rated current (use group C)	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**

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (use group B) 300 V

Rated voltage (use group C) 300 V

Rated current (use group B) 65 A

Rated current (use group C) 65 A

Wire cross-section, AWG, min. AWG 24

Wire cross-section, AWG, max. AWG 6

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

Classifications

ETIM 6.0

EC001283

eClass 6.2

27-14-11-34

eClass 9.1

27-14-11-34

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 - 4 mm = 500 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity

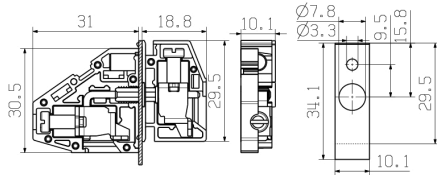
[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)
[MB DEVICE MANUF. EN](#)
[FL DRIVES DE](#)
[FL_BASE_STATION_EN](#)
[FL ELEVATOR EN](#)
[FL POWER SUPPLY EN](#)
[FL 72H SAMPLE SER EN](#)
[PO OMNIMATE EN](#)

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Drawings**Dimensional drawing**

WGKV 10...