

OMNIMATE Power - series WGK WGK 10 VP/Z 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

Product image



Similar to illustration

The V versions of the WGK feed-through terminals with an insulated housing and clamping yoke connections on the external side, and a solder connection on the internal side for use in encapsulated devices (e.g. EMC filters).



General ordering data

Type	WGK 10 VP/Z GN/YE BX
Order No.	2439440000
Version	OMNIMATE Power - series WGK, Feed-through terminal, Rated cross-section: 10 mm ² , Wemid (PA), Feed-through (bushing)
GTIN (EAN)	4050118468083
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

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Technical data

Dimensions and weights

Net weight 13 g

System parameters

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw / solder connection
Conductor outlet direction	180°	Fitted by customer	Yes
Screwdriver blade	0.8 x 4.0	Tightening torque, min.	5 Nm
Tightening torque, max.	7 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 code	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		
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	0.5 mm ²
	AEH	Stripping length	nominal 10 mm
		Cross-section for conductor connection	Type
	AEH	nominal	0.75 mm ²
		Stripping length	nominal 10 mm
	Cross-section for conductor connection	Type	fine-wired
		nominal	1 mm ²
	AEH	Stripping length	nominal 10 mm
Max. clamping range		16 mm ²	

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Technical data**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 / CSA)	300 V	Rated voltage (Use group C / CSA)	300 V
Rated voltage (Use group D / CSA)	300 V	Rated current (Use group B / CSA)	65 A
Rated current (Use group C / CSA)	65 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 6

Rated data acc. to UL 1059

Institute (cURus)		Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group C / UL 1059)	300 V
Rated voltage (Use group D / UL 1059)	300 V	Rated current (Use group B / UL 1059)	65 A
Rated current (Use group C / UL 1059)	65 A	Rated current (Use group D / UL 1059)	10 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.		

Packing

Packaging	Box	VPE length	0 m
VPE width	0 m	VPE height	0 m

Classifications

ETIM 6.0	EC001283	eClass 6.2	27-14-11-34
eClass 9.0	27-14-11-34	eClass 9.1	27-14-11-34

Notes

Notes	<ul style="list-style-type: none"> • 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
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Data sheet**OMNIMATE Power - series WGK
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Technical data**Approvals**

Approvals



ROHS

Conform

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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](#)

Engineering Data

[STEP](#)

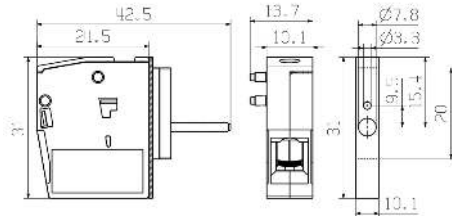
Data sheet

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Drawings

Dimensional drawing



WGK 10 VP/Z...

Graph

