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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.

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## OMNIMATE Power - series WGK WGK 10/Z

**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.

### General ordering data

Order No.	<a href="#">1936530000</a>
Type	WGK 10/Z
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 10 mm <sup>2</sup> , Grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664399
Qty.	50 pc(s).

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### Technical data

#### Dimensions and weights

Length	43.3 mm	Width	10.1 mm
Height	31.4 mm	Height of lowest version	31.4 mm
Net weight	18.03 g		

#### 2 clampable conductors with identical cross-section

Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 24
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#### Additional connection

Blade size	0.8 x 4.0 mm	Clamping screw	M 4
Rated current	57 A	Tightening torque, max.	1.8 Nm
Tightening torque, min.	1.2 Nm		

#### Conductors suitable for clamping

Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	Twin wire-end ferrules, max.	6 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	10 mm <sup>2</sup>	Stripping length	11 mm

#### Rated data to IEC

Current at maximum wires	76 A	Pollution severity	3
Rated cross-section	10 mm <sup>2</sup>	Rated current	57 A
Rated impulse withstand voltage	6 kV	Rated voltage	250 V
Standards	IEC 60947-7-1		

#### Technical data

Blade size	0.8 x 4.0 mm	Clamping range, rated connection, max.	16 mm <sup>2</sup>
Clamping range, rated connection, min.	0.21 mm <sup>2</sup>	Clamping screw	M 4
Gauge to IEC 60947-1	B6	Number of connections	2
Stripping length, rated connection	11 mm	Tightening torque, max.	1.8 Nm
Tightening torque, min.	1.2 Nm		

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**Technical data**

**Technical specification**

Colour of insulating material	Grey	Connection direction	on side
End cover plate required	No	Installation advice	Direct mounting, Feed-through (bushing)
Product family	OMNIMATE Power - series WGK	Type of mounting	Direct mounting

**CSA ratings data**

Certificate No. (CSA)	200039-1830694	Voltage size B (CSA)	300 V
Current size B (CSA)	65 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	24 AWG		

**UL ratings data**

Certificate No. (cURus)	E60693VOL1SEC84	Conductor size Factory wiring max. (cURus)	6 AWG
Conductor size Factory wiring min. (cURus)	24 AWG	Conductor size Field wiring max. (cURus)	6 AWG
Conductor size Field wiring min. (cURus)	24 AWG	Current size B (cURus)	65 A
Current size C (cURus)	65 A	Voltage size B (cURus)	300 V
Voltage size C (cURus)	300 V		

**Material data**

Material	Wemid	Colour	Grey
UL 94 flammability rating	V-0		

**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		

**Notes**

Notes • Metal walls: 1 #96 2.5 mm = 400 V; 2.5 #96 6 mm = 250 V; plastic walls: 1 #96 6 mm = 500 V

**Approvals**

Approvals



ROHS Conform



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**Drawings**

