



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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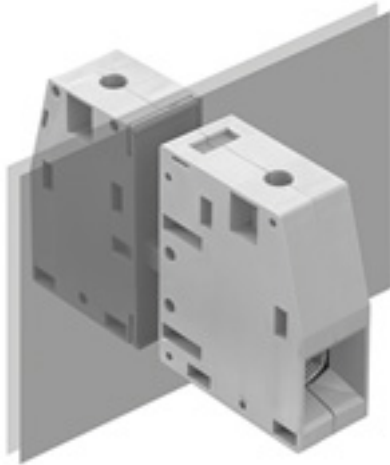
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## OMNIMATE Power - series WGK WGK 50

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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 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="#">1937090000</a>
Type	WGK 50
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 50 mm <sup>2</sup> , Screw connection, Grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664603
Qty.	10 pc(s).

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WGK 50**

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**Technical data**
**Dimensions and weights**

Length	78 mm	Width	18.8 mm
Height	55 mm	Height of lowest version	55 mm
Net weight	103.1 g		

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

Wire connection cross section AWG, max.	AWG 1/0	Wire connection cross section AWG, min.	AWG 6
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**Additional connection**

Blade size	1.2 x 8.0 mm	Clamping screw	M 6
Rated current	150 A	Tightening torque, max.	6.5 Nm
Tightening torque, min.	4 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.	10 mm <sup>2</sup>	Twin wire-end ferrules, max.	10 mm <sup>2</sup>
Twin wire-end ferrules, min.	6 mm <sup>2</sup>	Wire connection cross section AWG, max.	AWG 1/0
Wire connection cross section AWG, min.	AWG 6	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	50 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	50 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	50 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	16 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	50 mm <sup>2</sup>
Stripping length	24 mm		

**Rated data to IEC**

Current at maximum wires	150 A	Pollution severity	3
Rated cross-section	50 mm <sup>2</sup>	Rated current	150 A
Rated impulse withstand voltage	8 kV	Rated voltage	690 V
Standards	IEC 60947-7-1		

**Technical data**

Blade size	1.2 x 8.0 mm	Clamping range, rated connection, max.	50 mm <sup>2</sup>
Clamping range, rated connection, min.	13.3 mm <sup>2</sup>	Clamping screw	M 6
Gauge to IEC 60947-1	B10	Number of connections	2
Stripping length, rated connection	24 mm	Tightening torque, max.	6.5 Nm
Tightening torque, min.	4 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		

**CSA ratings data**

Certificate No. (CSA)	200039-1830694	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Current size B (CSA)	136 A
Current size C (CSA)	136 A	Wire cross section min. (CSA)	6 AWG

**UL ratings data**

Certificate No. (cURus)	E60693VOL1SEC84	Conductor size Factory wiring max. (cURus)	0 AWG
Conductor size Factory wiring min. (cURus)	6 AWG	Conductor size Field wiring max. (cURus)	0 AWG
Conductor size Field wiring min. (cURus)	6 AWG	Current size B (cURus)	145 A
Current size C (cURus)	145 A	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 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 - 2.5 mm = 800 V; 2.5 - 6 mm = 690 V; plastic walls: 1 - 6 mm = 800 V

**Approvals**

Approvals



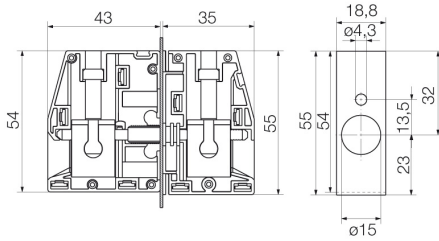
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**Drawings**



**WGK 50**

