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## OMNIMATE Power - series WGK WGK 10

**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="#">1936510000</a>
Type	WGK 10
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 10 mm <sup>2</sup> , Screw connection, Grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664375
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	19.78 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)
Open sides	closed	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**

