

## OMNIMATE Power - series WGK WGK 16

**Weidmüller Interface GmbH & Co. KG**  
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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="#">1936810000</a>
Type	WGK 16
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 16 mm <sup>2</sup> , Screw connection, Grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664429
Qty.	50 pc(s).

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

Length	63.5 mm	Width	12.1 mm
Height	40.4 mm	Height of lowest version	40.4 mm
Net weight	32.11 g		

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

Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 20
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**Additional connection**

Blade size	1.0 x 5.5 mm	Clamping screw	M 5
Rated current	76 A	Tightening torque, max.	2.3 Nm
Tightening torque, min.	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 4
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 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.	16 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.	25 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	10 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm <sup>2</sup>	Stripping length	16 mm

**Rated data to IEC**

Current at maximum wires	101 A	Pollution severity	3
Rated cross-section	16 mm <sup>2</sup>	Rated current	76 A
Rated impulse withstand voltage	6 kV	Rated voltage	500 V
Standards	IEC 60947-7-1		

**Technical data**

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	25 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Clamping screw	M 5
Gauge to IEC 60947-1	B7	Number of connections	2
Stripping length, rated connection	16 mm	Tightening torque, max.	2.3 Nm
Tightening torque, min.	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)	600 V
Voltage size C (CSA)	600 V	Current size B (CSA)	85 A
Current size C (CSA)	85 A	Wire cross section max. (CSA)	4 AWG
Wire cross section min. (CSA)	8 AWG		

**UL ratings data**

Certificate No. (cURus)	E60693VOL1SEC84	Conductor size Factory wiring max. (cURus)	4 AWG
Conductor size Factory wiring min. (cURus)	20 AWG	Conductor size Field wiring max. (cURus)	4 AWG
Conductor size Field wiring min. (cURus)	20 AWG	Current size B (cURus)	85 A
Current size C (cURus)	85 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 #96 4 mm = 690 V; 4 #96 6 mm = 500 V; plastic walls: 1 #96 6 mm = 1000 V
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**Approvals**

Approvals



ROHS	Conform
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**Drawings**

