

OMNIMATE Power - series WGK WGK 50

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.	1937090000
Type	WGK 50
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 50 mm ² , Screw connection, Grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664603
Qty.	10 pc(s).

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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 ²	Twin wire-end ferrules, max.	10 mm ²
Twin wire-end ferrules, min.	6 mm ²	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 ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm ²	Wire connection cross section, finely stranded, max.	50 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, stranded, rated connection, max.	50 mm ²
Wire connection cross section, stranded, rated connection, min.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	50 mm ²
Stripping length	24 mm		

Rated data to IEC

Current at maximum wires	150 A	Pollution severity	3
Rated cross-section	50 mm ²	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 ²
Clamping range, rated connection, min.	13.3 mm ²	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



ROHS Conform

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Drawings

