

OMNIMATE Power - series WGK WGKV 4

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.	1934050000
Type	WGKV 4
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 4 mm ² , Screw connection, Grey, Feed-through (bushing)
GTIN (EAN)	4032248588626
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Length	40 mm	Width	8.1 mm
Height	24 mm	Height of lowest version	24 mm
Net weight	8.88 g		

2 clampable conductors with identical cross-section

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22
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Additional connection

Blade size	0.6 x 3.5 mm	Clamping screw	M 3
Rated current	32 A	Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.6 Nm		

Conductors suitable for clamping

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, solid core max. rated connection	6 mm ²
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Stripping length	8 mm

Rated data to IEC

Current at maximum wires	41 A	Pollution severity	3
Rated cross-section	4 mm ²	Rated current	32 A
Rated impulse withstand voltage	6 kV	Rated voltage	250 V
Standards	IEC 60947-7-1		

Technical data

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	6 mm ²
Clamping range, rated connection, min.	0.05 mm ²	Clamping screw	M 3
Gauge to IEC 60947-1	A3	Number of connections	2
Stripping length, rated connection	8 mm	Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.6 Nm		

Technical specification

Colour of insulating material	Grey	Connection direction	Bottom
End cover plate required	No	Installation advice	Feed-through (bushing)
Product family	OMNIMATE Power - series WGK		

CSA ratings data

Certificate No. (CSA)	200039-1830694	Voltage size B (CSA)	300 V
Current size B (CSA)	30 A	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	30 AWG		

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Technical data
UL ratings data

Certificate No. (cURus)	E60693VOL1SEC84	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	30 AWG	Current size B (cURus)	30 A
Current size C (cURus)	30 A	Current size D (cURus)	10 A
Voltage size B (cURus)	300 V	Voltage size C (cURus)	150 V
Voltage size D (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