

## OMNIMATE Power - series WGK WGK 25

**Weidmüller Interface GmbH & Co. KG**  
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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="#">1936850000</a>
Type	WGK 25
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 25 mm <sup>2</sup> , Screw connection, Grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664504
Qty.	50 pc(s).

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### Technical data

#### Dimensions and weights

Length	68.5 mm	Width	15.1 mm
Height	48.5 mm	Height of lowest version	48.5 mm
Net weight	64.36 g		

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

Wire connection cross section AWG, max.	AWG 3	Wire connection cross section AWG, min.	AWG 10
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#### Additional connection

Blade size	1.2 x 6.5 mm	Clamping screw	M 6
Rated current	101 A	Tightening torque, max.	4.5 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.	2.5 mm <sup>2</sup>	Wire connection cross section AWG, max.	AWG 3
Wire connection cross section AWG, min.	AWG 10	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	25 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	25 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	6 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	35 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.	25 mm <sup>2</sup>	Stripping length	18 mm

#### Rated data to IEC

Current at maximum wires	125 A	Pollution severity	3
Rated cross-section	25 mm <sup>2</sup>	Rated current	101 A
Rated impulse withstand voltage	6 kV	Rated voltage	690 V
Standards	IEC 60947-7-1		

#### Technical data

Blade size	1.2 x 6.5 mm	Clamping range, rated connection, max.	35 mm <sup>2</sup>
Clamping range, rated connection, min.	5.26 mm <sup>2</sup>	Clamping screw	M 6
Gauge to IEC 60947-1	B8	Number of connections	2
Stripping length, rated connection	18 mm	Tightening torque, max.	4.5 Nm
Tightening torque, min.	4 Nm		

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**Technical data**
**Technical specification**

Colour of insulating material	Grey	Connection direction	on side
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)	100 A
Current size C (CSA)	100 A	Wire cross section max. (CSA)	3 AWG
Wire cross section min. (CSA)	8 AWG		

**UL ratings data**

Certificate No. (cURus)	E60693VOL1SEC84	Conductor size Factory wiring max. (cURus)	3 AWG
Conductor size Factory wiring min. (cURus)	10 AWG	Conductor size Field wiring max. (cURus)	3 AWG
Conductor size Field wiring min. (cURus)	10 AWG	Current size B (cURus)	100 A
Current size C (cURus)	100 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**

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**Approvals**

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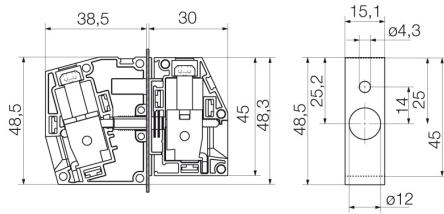
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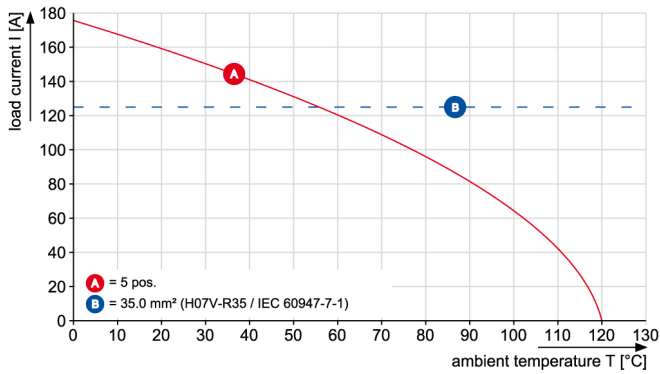
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**Drawings**



**WGK 25**



**WGK 25**

