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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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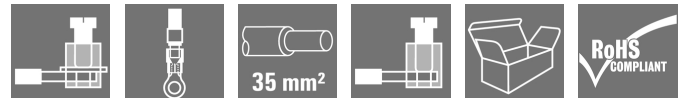
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## OMNIMATE Power - series WGK WGK 25 VP/Z GN/YE BX

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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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. To match the wire guides to the installation requirements in the best possible way, Weidmüller offers two versions with horizontal (WGK) and vertical (WGKV) outlet directions.

### General ordering data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Type         | WGK 25 VP/Z GN/YE BX                                                                                    |
| Order No.    | <a href="#">2444720000</a>                                                                              |
| Version      | OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 25 mm <sup>2</sup> , Wemid (PA) |
| GTIN (EAN)   | 4050118480283                                                                                           |
| Qty.         | 50 pc(s).                                                                                               |
| Product data | IEC: 690 V / 101 A / 6 - 35 mm <sup>2</sup><br>UL: 600 V / 100 A / AWG 10 - AWG 3                       |
| Packaging    | Box                                                                                                     |

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

Net weight 47.96 g

**System parameters**

|                            |                             |                                            |                                   |
|----------------------------|-----------------------------|--------------------------------------------|-----------------------------------|
| Product family             | OMNIMATE Power - series WGK | Wire connection method                     | Cable lug: ring cable / spade lug |
| Conductor outlet direction | 180°                        | Fitted by customer                         | Yes                               |
| Screwdriver blade          | 1.2 x 6.5                   | Tightening torque, min.                    | 4 Nm                              |
| Tightening torque, max.    | 4.5 Nm                      | Clamping screw                             | M 6                               |
| Stripping length           | 18 mm                       | Touch-safe protection acc. to DIN VDE 0470 | IP 20                             |

**Material data**

|                                       |               |                                       |                |
|---------------------------------------|---------------|---------------------------------------|----------------|
| Insulating material                   | Wemid (PA)    | Colour                                | green / yellow |
| Colour chart (similar)                | Not specified | UL 94 flammability rating             | V-0            |
| Contact material                      | E-Cu          | Contact surface                       | tinned         |
| Storage temperature, min.             | -25 °C        | Storage temperature, max.             | 55 °C          |
| Max. relative humidity during storage | 80 %          | Operating temperature, min.           | -50 °C         |
| Operating temperature, max.           | 120 °C        | Temperature range, installation, min. | -25 °C         |
| Temperature range, installation, max. | 120 °C        |                                       |                |

**Conductors suitable for connection**

|                                          |                    |                                           |                    |
|------------------------------------------|--------------------|-------------------------------------------|--------------------|
| Clamping range, min.                     | 4 mm <sup>2</sup>  | Clamping range, max.                      | 35 mm <sup>2</sup> |
| Wire connection cross section AWG, min.  | AWG 10             | Wire connection cross section AWG, max.   | AWG 3              |
| Solid, min. H05(07) V-U                  | 6 mm <sup>2</sup>  | Solid, max. H05(07) V-U                   | 16 mm <sup>2</sup> |
| Stranded, min. H07V-R                    | 10 mm <sup>2</sup> | Stranded, max. H07V-R                     | 35 mm <sup>2</sup> |
| Flexible, min. H05(07) V-K               | 6 mm <sup>2</sup>  | Flexible, max. H05(07) V-K                | 16 mm <sup>2</sup> |
| w. wire end ferrule, DIN 46228 pt 1, min | 4 mm <sup>2</sup>  | w. wire end ferrule, DIN 46228 pt 1, max. | 25 mm <sup>2</sup> |

**Rated data acc. to IEC**

|                                                                           |                        |                                                                |       |
|---------------------------------------------------------------------------|------------------------|----------------------------------------------------------------|-------|
| tested acc. to standard                                                   | IEC 60664-1, IEC 61984 | Rated current, min. no. of poles (Tu=20°C)                     | 101 A |
| Rated current, max. no. of poles (Tu=20°C)                                | 101 A                  | Rated voltage for surge voltage class / pollution degree III/3 | 690 V |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 6 kV                   |                                                                |       |

**Rated data acc. to CSA**

|                               |        |                               |       |
|-------------------------------|--------|-------------------------------|-------|
| Rated voltage (Use group B)   | 600 V  | Rated voltage (Use group C)   | 600 V |
| Rated current (use group B)   | 100 A  | Rated current (use group C)   | 100 A |
| Wire cross-section, AWG, min. | AWG 10 | Wire cross-section, AWG, max. | AWG 3 |



**Data sheet**

**OMNIMATE Power - series WGK  
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**Technical data**

**Rated data acc. to UL 1059**

Institute (cURus)



Certificate No. (cURus)

E60693

|                               |                                                                        |                               |       |
|-------------------------------|------------------------------------------------------------------------|-------------------------------|-------|
| Rated voltage (use group B)   | 600 V                                                                  | Rated voltage (use group C)   | 600 V |
| Rated current (use group B)   | 100 A                                                                  | Rated current (use group C)   | 100 A |
| Wire cross-section, AWG, min. | AWG 10                                                                 | Wire cross-section, AWG, max. | AWG 3 |
| Reference to approval values  | Specifications are maximum values, details - see approval certificate. |                               |       |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 6.0   | EC001283    | eClass 6.2 | 27-14-11-34 |
| eClass 9.1 | 27-14-11-34 |            |             |

**Notes**

Notes

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional colours on request
- WGK: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 4 mm = 800 V; metal walls: 4 - 6 mm = 690 V
- WGKV: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 4 mm = 800 V; metal walls: 4 - 6 mm = 690 V
- WGK...VP: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 2.5 mm = 800 V; metal walls: 2.5 - 4 mm = 690 V; metal walls: 4 - 6 mm = 500 V

**Approvals**

Approvals



ROHS Conform

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**Technical data****Downloads**

Approval/Certificate/Document of  
Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

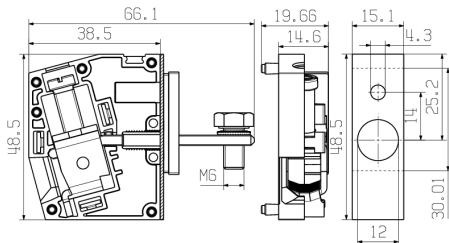
[FL DRIVES EN](#)  
[MB DEVICE MANUF. EN](#)  
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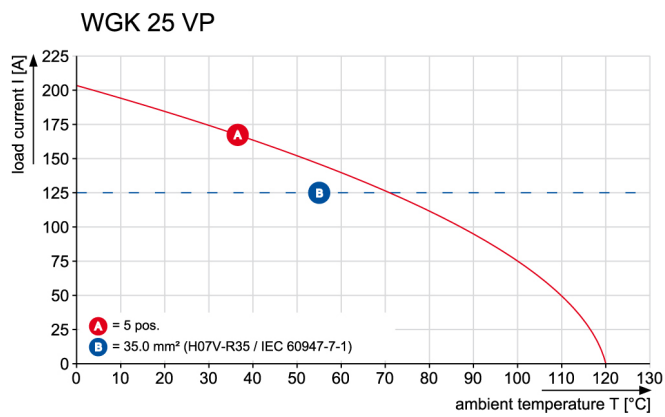
**Drawings**

**Dimensional drawing**



WGK 25 VP/Z...

**Graph**



**Graph**

