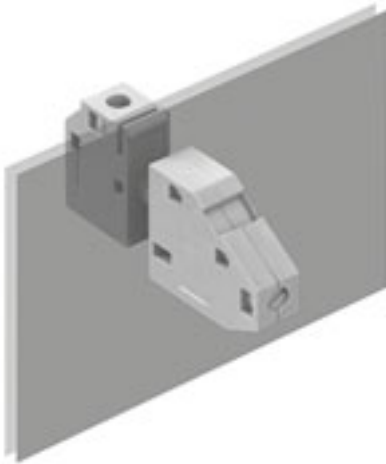


## OMNIMATE Power - series WGK WGKV 4

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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="#">1934050000</a>   |
| Type       | WGKV 4   |
| Version    | OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 4 mm <sup>2</sup> , 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 |
|---|--------|---|--------|

**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 <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.  | 4 mm <sup>2</sup>   | Wire connection cross section, solid core max. rated connection   | 6 mm <sup>2</sup>   |
| Wire connection cross section, solid core, max. rated connection  | 0.5 mm <sup>2</sup> | Stripping length  | 8 mm                |

**Rated data to IEC**

|                                 |                   |                    |       |
|---------------------------------|-------------------|--------------------|-------|
| Current at maximum wires        | 41 A              | Pollution severity | 3     |
| Rated cross-section             | 4 mm <sup>2</sup> | 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 <sup>2</sup> |
| Clamping range, rated connection, min. | 0.05 mm <sup>2</sup> | 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**