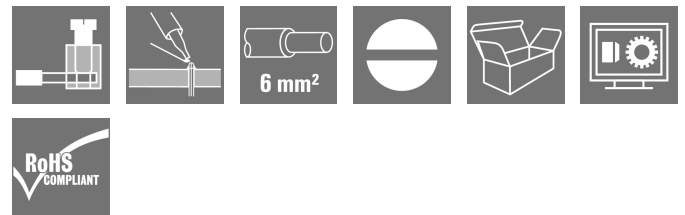


## WGK 4 VP/Z GN/YE BX

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Product image



Similar to illustration

The V versions of the WGK feed-through terminals with an insulated housing and clamping yoke connections on the external side, and a solder connection on the internal side for use in encapsulated devices (e.g. EMC filters).

### General ordering data

Version	OMNIMATE Power - series WGK, Feed-through terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Wemid (PA), Green/yellow, Direct mounting, Feed-through (bushing)
Order No.	<a href="#">1003900000</a>
Type	WGK 4 VP/Z GN/YE BX
GTIN (EAN)	4032248703401
Qty.	50 items
Product data	IEC: 500 V / 32 A / 0.5 - 6 mm <sup>2</sup> UL: 300 V / 30 A / AWG 30 - AWG 10
Packaging	Box

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E60693

## Dimensions and weights

Height	21.5 mm	Height (inches)	0.8465 inch
Height of lowest version	21.5 mm	Width	8.1 mm
Width (inches)	0.3189 inch	Length	10.1 mm
Length (inches)	0.3976 inch	Net weight	6.42 g

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## System parameters

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw / solder connection
Conductor outlet direction	180°	Number of poles	1
Pin series quantity	1	Fitted by customer	Yes
Screwdriver blade	0.6 x 3.5	Tightening torque, min.	0.6 Nm
Tightening torque, max.	0.8 Nm	Clamping screw	M 3
Stripping length	8 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20
Protection degree	IP20	Type of connection 1	Clamping yoke
Type of connection 2	Screw connection		

## Material data

Insulating material	Wemid (PA)	Colour	Green/yellow
Colour chart (similar)	Not specified	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	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.	0.5 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 30
Wire connection cross section AWG, max.	AWG 10
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Stranded, min. H07V-R	0.5 mm <sup>2</sup>
Stranded, max. H07V-R	4 mm <sup>2</sup>

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Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>																								
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>																								
w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm <sup>2</sup> min.																									
w. plastic collar ferrule, DIN 46228 pt 4, 4 mm <sup>2</sup> max.																									
w. wire end ferrule, DIN 46228 pt 1, 0.5 mm <sup>2</sup> min.																									
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Clampable conductor	<table border="1"> <tr> <td rowspan="2">Cross-section for conductor connection</td> <td>Type</td> <td>fine-wired</td> </tr> <tr> <td>nominal</td> <td>1.5 mm<sup>2</sup></td> </tr> <tr> <td rowspan="3">wire end ferrule</td> <td>Stripping length</td> <td>nominal 7 mm</td> </tr> <tr> <td>Recommended wire-end ferrule</td> <td><a href="#">H1.5/7</a></td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td rowspan="2">Cross-section for conductor connection</td> <td>Type</td> <td>fine-wired</td> </tr> <tr> <td>nominal</td> <td>2.5 mm<sup>2</sup></td> </tr> <tr> <td rowspan="3">wire end ferrule</td> <td>Stripping length</td> <td>nominal 7 mm</td> </tr> <tr> <td>Recommended wire-end ferrule</td> <td><a href="#">H2.5/7</a></td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Cross-section for conductor connection	Type	fine-wired	nominal	1.5 mm <sup>2</sup>	wire end ferrule	Stripping length	nominal 7 mm	Recommended wire-end ferrule	<a href="#">H1.5/7</a>			Cross-section for conductor connection	Type	fine-wired	nominal	2.5 mm <sup>2</sup>	wire end ferrule	Stripping length	nominal 7 mm	Recommended wire-end ferrule	<a href="#">H2.5/7</a>		
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	Recommended wire-end ferrule	<a href="#">H2.5/7</a>																							
Reference text	Length of ferrules is to be chosen depending on the product and the rated voltage., The outside diameter of the plastic collar should not be larger than the pitch (P)																								

### Rated data acc. to IEC

tested acc. to standard	IEC 60664-1	Rated current, min. number of poles (Tu=20°C)	32 A
Rated current, max. number of poles (Tu=20°C)	32 A	Rated voltage for surge voltage class / pollution degree III/3	500 V
Rated impulse voltage for surge voltage class/ contamination degree III/3	6 kV		

### Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1830694
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	300 V
Rated voltage (Use group D / CSA)	300 V	Rated current (Use group B / CSA)	30 A
Rated current (Use group C / CSA)	30 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 30	Wire cross-section, AWG, max.	AWG 10
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

### Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group C / UL 1059)	300 V
Rated voltage (Use group D / UL 1059)	300 V	Rated current (Use group B / UL 1059)	30 A
Rated current (Use group C / UL 1059)	30 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 30	Wire cross-section, AWG, max.	AWG 10
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

### Packing

Packaging	Box	VPE length	85.00 mm
VPE width	120.00 mm	VPE height	150.00 mm

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### Important note

#### 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 variants on request
- WGK: Rated voltage plastic walls: 1 - 4 mm = 500 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- WGKV: Rated voltage plastic walls: 1 - 4 mm = 400 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- VWGK: Rated voltage plastic walls: 1 - 4 mm = 500 V; metal walls: 1 - 4 mm = 500 V
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

### Classifications

ETIM 6.0	EC001283	ETIM 7.0	EC001283
ETIM 8.0	EC001283	ETIM 9.0	EC001283
ETIM 10.0	EC001283	ECLASS 9.0	27-14-11-34
ECLASS 9.1	27-14-11-34	ECLASS 10.0	27-14-11-34
ECLASS 11.0	27-14-11-34	ECLASS 12.0	27-14-11-34
ECLASS 13.0	27-14-11-34	ECLASS 14.0	27-14-11-34
ECLASS 15.0	27-14-11-34		

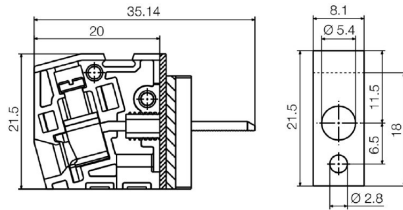
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## Drawings

[www.weidmueller.com](http://www.weidmueller.com)

### Dimensional drawing



### Graph

