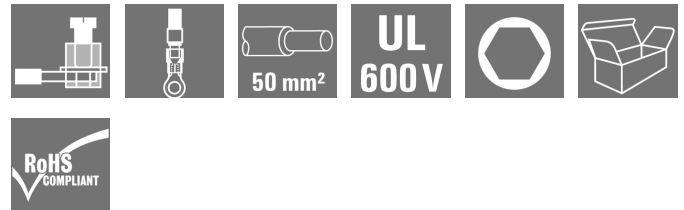


WGK 50 VP IK

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

www.weidmueller.com

Product image



Similar to illustration

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

Version	OMNIMATE Power - series WGK, Feed-through terminal, Rated cross-section: 50 mm ² , Wemid (PA)
Order No.	1288700000
Type	WGK 50 VP IK
GTIN (EAN)	4050118080049
Qty.	10 pc(s).
Product data	IEC: 690 V / 150 A / 16 - 50 mm ² UL: 600 V / 150 A / AWG 6 - AWG 1/0
Packaging	Box
Delivery status	Discontinued
Creation date	September 30, 2022 7:16:35 AM CEST
Alternative product	2428430000

Catalogue status 23.09.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	81.5 g
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System parameters

Product family	OMNIMATE Power - series WGK	Wire connection method	Cable lug: ring cable / spade lug
Conductor outlet direction	180°	Fitted by customer	No
Screwdriver blade	1.2 x 6.5	Tightening torque, min.	4 Nm
Tightening torque, max.	5.5 Nm	Clamping screw	M 6
Stripping length	24 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20
Protection degree	IP20		

Material data

Insulating material	Wemid (PA)	Colour	grey
Colour chart (similar)	RAL 7035	UL 94 flammability rating	V-0
Contact material	E-Cu	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.	10 mm ²														
Clamping range, max.	50 mm ²														
Wire connection cross section AWG, min.	AWG 6														
Wire connection cross section AWG, max.	AWG 1/0														
Solid, min. H05(07) V-U	16 mm ²														
Solid, max. H05(07) V-U	50 mm ²														
Stranded, min. H07V-R	16 mm ²														
Stranded, max. H07V-R	50 mm ²														
Flexible, min. H05(07) V-K	16 mm ²														
Flexible, max. H05(07) V-K	50 mm ²														
w. wire end ferrule, DIN 46228 pt 1, min.	10 mm ²														
w. wire end ferrule, DIN 46228 pt 1, max.	50 mm ²														
Clampable conductor	<table border="1"> <tr> <td rowspan="3">Cross-section for conductor connection</td> <td>Type</td> <td colspan="2">fine-wired</td> </tr> <tr> <td>nominal</td> <td colspan="2">35 mm²</td> </tr> <tr> <td rowspan="2">wire end ferrule</td> <td>Stripping length</td> <td>nominal</td> <td>25 mm</td> </tr> <tr> <td>Recommended wire-end ferrule</td> <td colspan="2">H35,0/25</td> </tr> </table>	Cross-section for conductor connection	Type	fine-wired		nominal	35 mm ²		wire end ferrule	Stripping length	nominal	25 mm	Recommended wire-end ferrule	H35,0/25	
Cross-section for conductor connection	Type		fine-wired												
	nominal		35 mm ²												
	wire end ferrule	Stripping length	nominal	25 mm											
Recommended wire-end ferrule		H35,0/25													

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)	150 A
Rated current, max. number of poles (Tu=20°C)	150 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		

Creation date September 30, 2022 7:16:35 AM CEST

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Technical data

Rated data acc. to CSA

Rated voltage (Use group B / CSA)	600 V	Rated voltage (Use group C / CSA)	600 V
Rated current (Use group B / CSA)	150 A	Rated current (Use group C / CSA)	150 A
Wire cross-section, AWG, min.	AWG 6	Wire cross-section, AWG, max.	AWG 1/0

Rated data acc. to UL 1059

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (Use group B / UL 1059)	600 V	Rated voltage (Use group C / UL 1059)	600 V
Rated current (Use group B / UL 1059)	150 A	Rated current (Use group C / UL 1059)	150 A
Wire cross-section, AWG, min.	AWG 6	Wire cross-section, AWG, max.	AWG 1/0

Reference to approval values

Specifications are maximum values, details - see approval certificate.

Packing

Packaging	Box	VPE length	60 mm
VPE width	100 mm	VPE height	210 mm

Classifications

ETIM 6.0	EC001283	ETIM 7.0	EC001283
ETIM 8.0	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

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 - 6 mm = 800 V; metal walls: 1 - 2.5 mm = 800 V; metal walls: 2.5 - 6 mm = 690 V
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Data sheet**WGK 50 VP IK**

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Technical data**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

Approval/Certificate/Document of Conformity	Declaration of the Manufacturer
Catalogues	Catalogues in PDF-format
Brochures	FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE FL_BASE_STATION_EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN

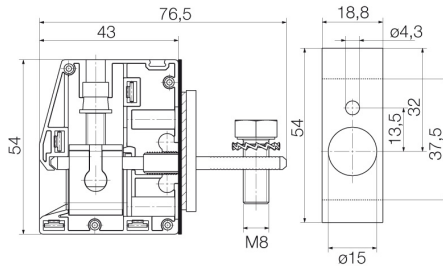
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Drawings

Dimensional drawing



Graph

