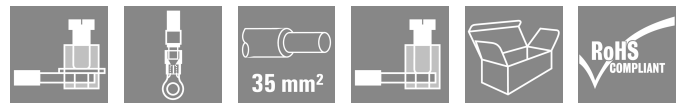


WGK 25 VP IK3 BLOCK 3P BK BX

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: 25 mm ² , Wemid (PA), Direct mounting, Feed-through (bushing)
Order No.	2717110000
Type	WGK 25 VP IK3 BLOCK 3P BK BX
GTIN (EAN)	4050118893106
Qty.	15 items
Product data	IEC: 690 V / 101 A / 6 - 35 mm ² UL: 600 V / 100 A / AWG 10 - AWG 3
Packaging	Box

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Height	48.5 mm	Height (inches)	1.9094 inch
Height of lowest version	48.5 mm	Width	45.3 mm
Width (inches)	1.7835 inch	Length	45.3 mm
Length (inches)	1.7835 inch	Net weight	119 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	Cable lug: ring cable / spade lug
Conductor outlet direction	180°	Number of poles	3
Pin series quantity	1	Fitted by customer	No
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
Protection degree	IP20	Type of connection 1	Clamping yoke
Type of connection 2	Screw connection		

Material data

Insulating material	Wemid (PA)	Colour	black
Colour chart (similar)	RAL 9011	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		

Conductors suitable for connection

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

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Technical data

w. wire end ferrule, DIN 46228 pt 1, 25 mm²
 max.

Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	4 mm ²
wire end ferrule		Stripping length	nominal 18 mm
		Recommended wire-end ferrule	H4.0/18
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	6 mm ²
wire end ferrule		Stripping length	nominal 18 mm
		Recommended wire-end ferrule	H6.0/18
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	10 mm ²
wire end ferrule		Stripping length	nominal 18 mm
		Recommended wire-end ferrule	H10.0/18
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	25 mm ²
wire end ferrule		Stripping length	nominal 18 mm
		Recommended wire-end ferrule	H25.0/18

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)	101 A
Rated current, max. number 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 / CSA)	600 V	Rated voltage (Use group C / CSA)	600 V
Rated voltage (Use group D / CSA)	300 V	Rated current (Use group B / CSA)	100 A
Rated current (Use group C / CSA)	100 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 10	Wire cross-section, AWG, max.	AWG 3

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	600 V	Rated voltage (Use group C / UL 1059)	600 V
Rated voltage (Use group D / UL 1059)	300 V	Rated current (Use group B / UL 1059)	100 A
Rated current (Use group C / UL 1059)	100 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 10	Wire cross-section, AWG, max.	AWG 3

Packing

Packaging	Box	VPE length	336.00 mm
VPE width	168.00 mm	VPE height	75.00 mm

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.

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Technical data

- 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 - 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
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

ETIM 8.0	EC001283	ETIM 9.0	EC001283
ETIM 10.0	EC001283	ECLASS 14.0	27-14-11-34
ECLASS 15.0	27-14-11-34		

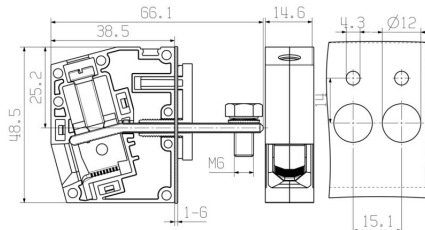
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Drawings

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Dimensional drawing



Derating curve

