

**OMNIMATE Power - series WGK
WGK 25 VP GN/YE BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

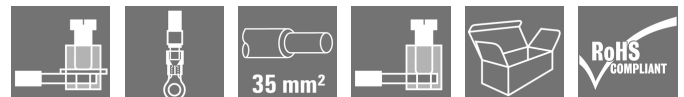
Fax: +49 5231 14-292083

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**

Type	WGK 25 VP GN/YE BX
Order No.	2444700000
Version	OMNIMATE Power - series WGK, Feed-through terminal, Rated cross-section: 25 mm², Wemid (PA)
GTIN (EAN)	4050118480306
Qty.	50 pc(s).
Product data	IEC: 690 V / 101 A / 6 - 35 mm² UL: 600 V / 100 A / AWG 10 - AWG 3
Packaging	Box

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Technical data

Dimensions and weights

Net weight	131.8 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.	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 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	6 mm ²		
Flexible, max. H05(07) V-K	16 mm ²		
w. wire end ferrule, DIN 46228 pt 1, min	4 mm ²		
w. wire end ferrule, DIN 46228 pt 1, max.	25 mm ²		
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	4 mm ²
	AEH	Stripping length	nominal 18 mm
	Cross-section for conductor connection	Type	fine-wired
		nominal	6 mm ²
	AEH	Stripping length	nominal 18 mm
	Cross-section for conductor connection	Type	fine-wired
		nominal	10 mm ²
	AEH	Stripping length	nominal 18 mm
	Cross-section for conductor connection	Type	fine-wired
		nominal	16 mm ²
	AEH	Stripping length	nominal 18 mm
Max. clamping range	35 mm ²		

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Technical data
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 / CSA)

600 V

Rated voltage (Use group C / CSA)

600 V

Rated current (Use group B / CSA)

100 A

Rated current (Use group C / CSA)

100 A

Wire cross-section, AWG, min.

AWG 10

Wire cross-section, AWG, max.

AWG 3

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)

100 A

Rated current (Use group C / UL 1059)

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.

Packing

Packaging

Box

VPE length

495 mm

VPE width

355 mm

VPE height

182 mm

Classifications

ETIM 6.0

EC001283

eClass 6.2

27-14-11-34

eClass 9.0

27-14-11-34

eClass 9.1

27-14-11-34

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Technical data

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

Downloads

Approval/Certificate/Document of Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

[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](#)

Engineering Data

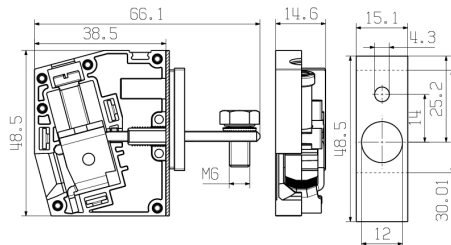
[STEP](#)

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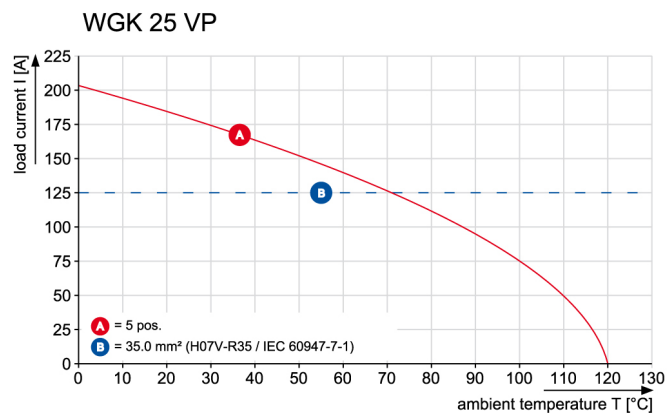
Drawings

Dimensional drawing

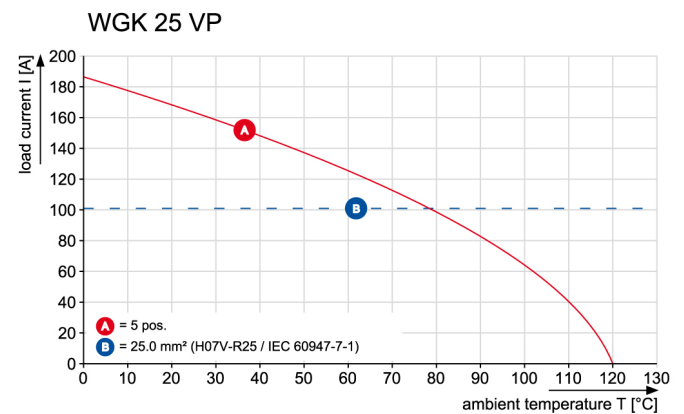


WGK 25 VP...

Graph



Graph

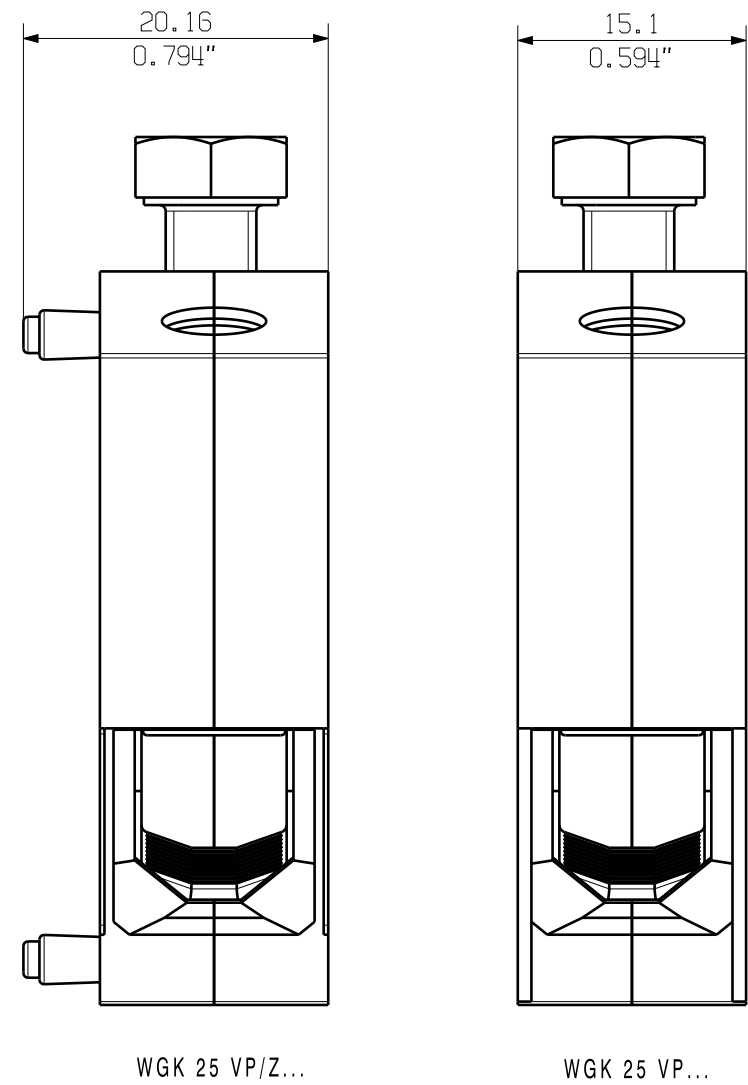
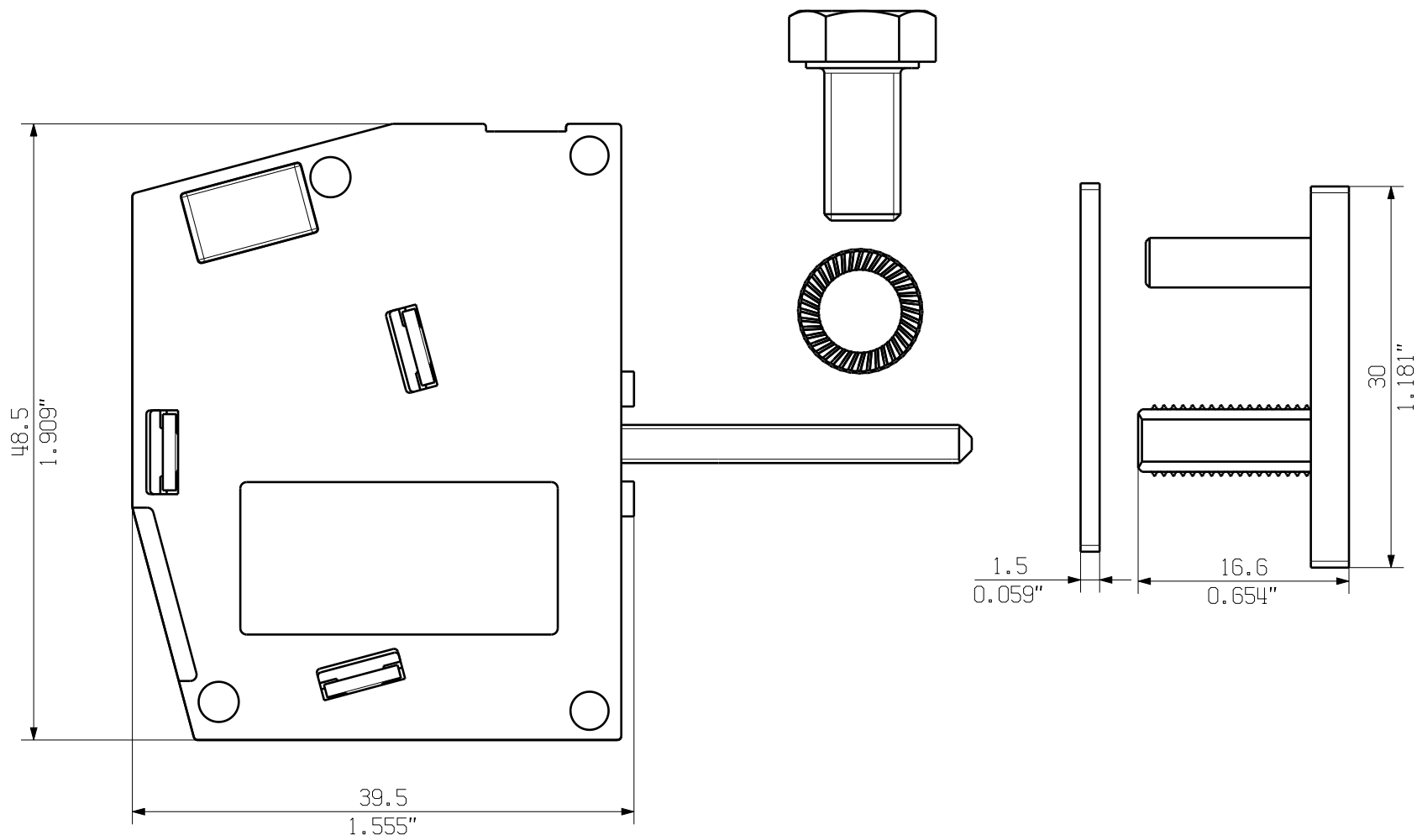


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Dimensions without tolerances are no check dimensions

The English version is binding



KUNDENZEICHNUNG
CUSTOMER DRAWING

BEMESSUNGSDATEN
RATED DATA
BEMESSUNGSQUERSCHNITT
RATED CROSS-SECTION 25 mm²
BEMESSUNGSTROM
RATED CURRENT 125 A
BEMESSUNGSSPANNUNG
RATED VOLTAGE 690 V

GENERAL TOLERANCE: DIN ISO 2768-m		91733/5 21.03.17 MA_J		00	Cat.no.: .	
	Max. nos.	Modification			Weidmüller 	
				C 43020 05		
			Drawing no. Issue no.			
			Sheet 01 of 01 sheets			
		Date		Name		
		Drawn 10.05.2006		SCHLINKE_F		
		Responsible		MA_J		
Scale: 2/1		Checked 21.03.2017		ZHOU_N		
Supersedes: .		Approved		XU_S		
					Product file: WGK 25...	
					WGK 25 VP ... DURCHFUEHRUNGSKLEMME FEED-THROUGH TERMINAL	
					5370	

Mouser Electronics

Authorized Distributor

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