

OMNIMATE Power - series WGK WGK 4/Z GY BX

Weidmüller Interface GmbH & Co. KG
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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 4/Z GY BX
Order No.	1936570000
Version	OMNIMATE Power - series WGK, Feed-through terminal, Rated cross-section: 4 mm², Screw connection, Wemid (PA), grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664351
Qty.	50 pc(s).
Product data	IEC: 500 V / 32 A / 0.5 - 6 mm² UL: 300 V / 30 A / AWG 30 - AWG 10
Packaging	Box

Creation date May 15, 2020 3:29:29 PM CEST

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Technical data

Dimensions and weights

Length	35.5 mm	Length (inches)	1.398 inch
Width	8.1 mm	Width (inches)	0.319 inch
Height	21.5 mm	Height (inches)	0.846 inch
Height of lowest version	21.5 mm	Net weight	8.6 g

System parameters

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw connection
Conductor outlet direction	180°	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

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.	-25 °C	Storage temperature, max.	50 °C
Max. relative humidity during storage	70 %	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 mm²		
Clamping range, max.	6 mm²		
Wire connection cross section AWG, min.	AWG 30		
Wire connection cross section AWG, max.	AWG 10		
Solid, min. H05(07) V-U	0.5 mm²		
Solid, max. H05(07) V-U	6 mm²		
Flexible, min. H05(07) V-K	0.5 mm²		
Flexible, max. H05(07) V-K	4 mm²		
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm²		
w. wire end ferrule, DIN 46228 pt 1, max.	4 mm²		
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	1.5 mm²
	wire end ferrule	Stripping length	nominal 7 mm
		Recommended wire-end ferrule	H1.5/7
	Cross-section for conductor connection	Type	fine-wired
		nominal	2.5 mm²
	wire end ferrule	Stripping length	nominal 7 mm
		Recommended wire-end ferrule	H2.5/7
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)		
Max. clamping range	6 mm²		

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Technical data
Rated data acc. to IEC

tested acc. to standard

IEC 60664-1, IEC 61984

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

32 A

Rated impulse voltage for surge voltage
class/ contamination degree III/3

6 kV

Rated current, min. number of poles
(Tu=20°C)

32 A

Rated voltage for surge voltage class /
pollution degree III/3

500 V

Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

200039-1830694

Rated voltage (Use group B / CSA)

300 V

Rated voltage (Use group D / CSA)

300 V

Rated current (Use group C / CSA)

30 A

Wire cross-section, AWG, min.

AWG 30

Reference to approval values

Specifications are
maximum values, details -
see approval certificate.

Rated voltage (Use group C / CSA)

300 V

Rated current (Use group B / CSA)

30 A

Rated current (Use group D / CSA)

10 A

Wire cross-section, AWG, max.

AWG 10

Rated data acc. to UL 1059

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (Use group B / UL 1059)

300 V

Rated voltage (Use group D / UL 1059)

300 V

Rated current (Use group C / UL 1059)

30 A

Wire cross-section, AWG, min.

AWG 30

Reference to approval values

Specifications are
maximum values, details -
see approval certificate.

Rated voltage (Use group C / UL 1059)

300 V

Rated current (Use group B / UL 1059)

30 A

Rated current (Use group D / UL 1059)

10 A

Wire cross-section, AWG, max.

AWG 10

Packing

Packaging

Box

VPE length

50 mm

VPE width

60 mm

VPE height

180 mm

Classifications

ETIM 6.0

EC001283

ETIM 7.0

EC001283

eClass 9.0

27-14-11-34

eClass 9.1

27-14-11-34

eClass 10.0

27-14-11-34

UNSPSC

30-21-18-11

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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 - 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

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](#)
[CAT 2 PORTFOLIOGUIDE EN](#)
[FL_BASE_STATION_EN](#)
[FL ELEVATOR EN](#)
[FL POWER SUPPLY EN](#)
[FL 72H SAMPLE SER EN](#)
[PO OMNIMATE EN](#)

Engineering Data

[EPLAN, WSCAD](#)

Engineering Data

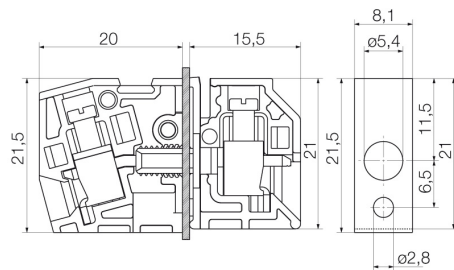
[STEP](#)

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Drawings

Dimensional drawing



Graph

Graph

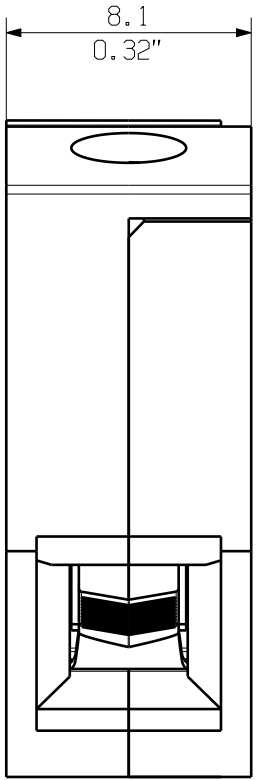
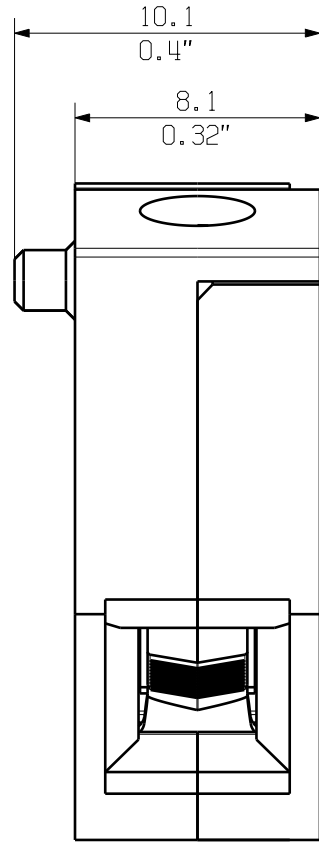
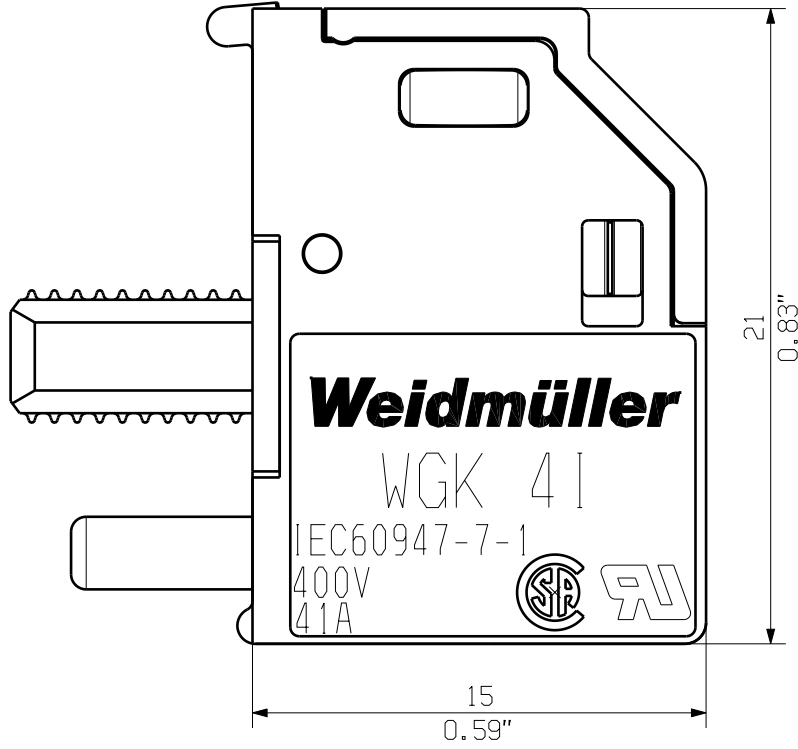
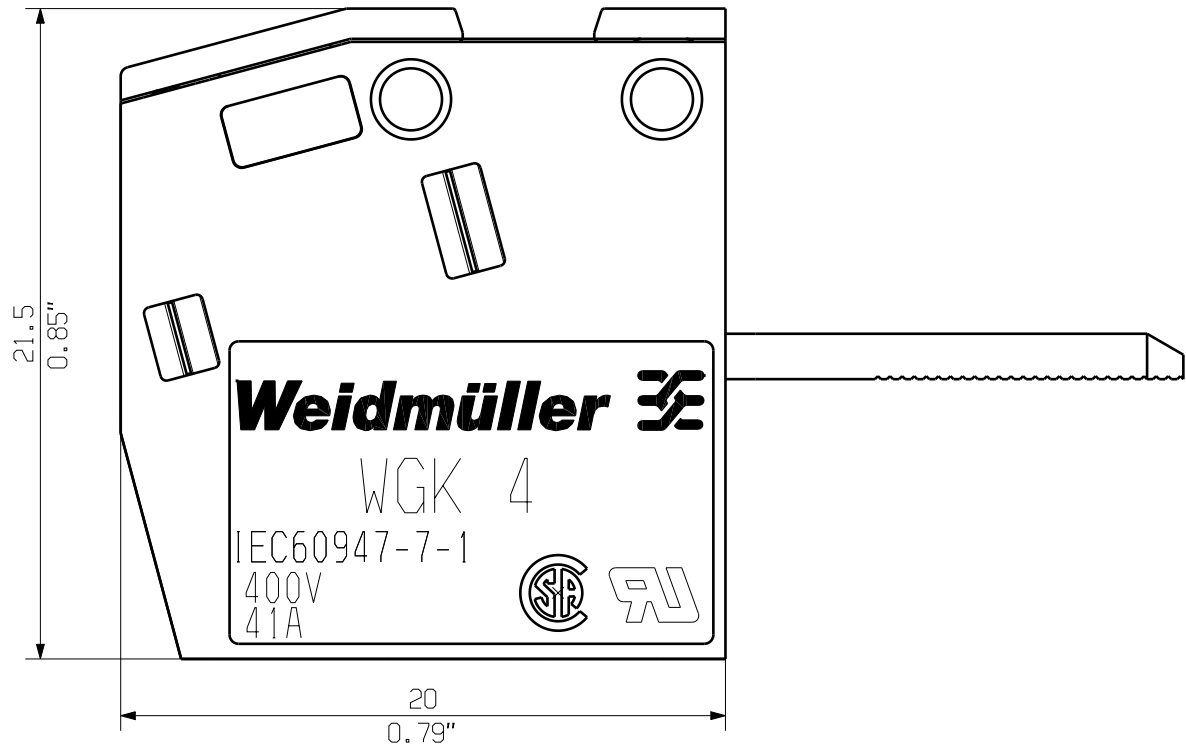
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Dimensions without tolerances are no check dimensions

The English version is binding

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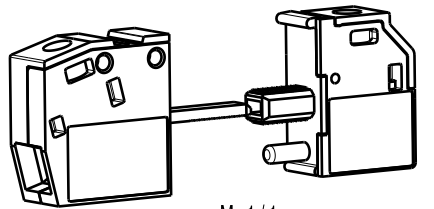


WGK4/Z...

WGK4...

KUNDENZEICHUNG
CUSTOMER DRAWING

rated data
rated cross-section 4 mm²
rated current 41A
rated voltage 400V



M 1/1

GENERAL TOLERANCE: DIN ISO 2768-m		91733/5 21.03.17 MA_J		01	Cat.no.: .	
	Max. nos.	Modification		Weidmüller 		
				C 39513 		
				Drawing no. Issue no.		
				Sheet 01 of 01 sheets		
				Date	Name	WGK 4... Durchf. rungsklemme Feed-Through Terminal
Drawn	03.11.2006	SHI_S				
Responsible		MA_J				
Checked	21.03.2017	ZHOV_N				
Approved		XU_S				
Scale: 4/1	Checked	21.03.2017	ZHOV_N	Product file: WGK 4		
Supersedes: .	Approved		XU_S	5250		