

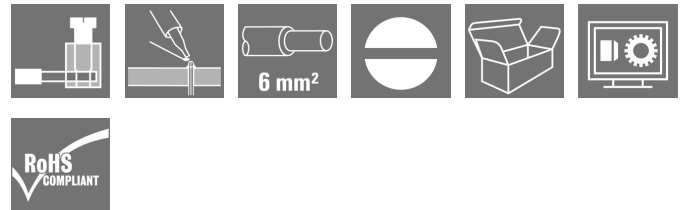
WGK 4 VP/Z GN/YE BX
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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 ² , Screw connection, Wemid (PA), Green/yellow, Direct mounting, Feed-through (bushing)
Order No.	1003900000
Type	WGK 4 VP/Z GN/YE BX
GTIN (EAN)	4032248703401
Qty.	50 pc(s).
Product data	IEC: 500 V / 32 A / 0.5 - 6 mm ² UL: 300 V / 30 A / AWG 30 - AWG 10
Packaging	Box

Creation date January 18, 2022 2:52:06 AM CET

WGK 4 VP/Z GN/YE BX

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Technical data

Dimensions and weights

Height	21.5 mm	Height (inches)	0.846 inch
Width	8.1 mm	Width (inches)	0.319 inch
Length	20 mm	Length (inches)	0.787 inch
Net weight	6.42 g		

System parameters

Product family	OMNIMATE Power - series WGK	Wire connection method	Screw / solder 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		Touch-safe protection acc. to DIN VDE 0470	IP 20
Protection degree	IP20		

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.	-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 ²		
Clamping range, max.	6 mm ²		
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 ²		
Solid, max. H05(07) V-U	6 mm ²		
Flexible, min. H05(07) V-K	0.5 mm ²		
Flexible, max. H05(07) V-K	4 mm ²		
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm ²		
w. wire end ferrule, DIN 46228 pt 1, max.	4 mm ²		
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	1.5 mm ²
		Stripping length	nominal 7 mm
	wire end ferrule	Recommended wire-end ferrule	H1.5/7
		Type	fine-wired
		nominal	2.5 mm ²
		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)		

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Technical data

Rated data acc. to IEC

tested acc. to standard

IEC 60664-1

Rated current, min. number of poles
($T_u=20^{\circ}\text{C}$)

32 A

Rated current, max. number of poles
($T_u=20^{\circ}\text{C}$)

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)



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)



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

140 mm

VPE width

100 mm

VPE height

80 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

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Technical data

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

Approvals

Approvals



ROHS Conform

UL File Number Search E60693

Downloads

Approval/Certificate/Document of Conformity	Declaration of the Manufacturer
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
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
	PO OMNIMATE EN

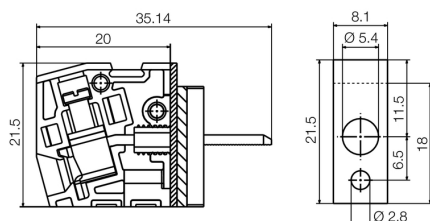
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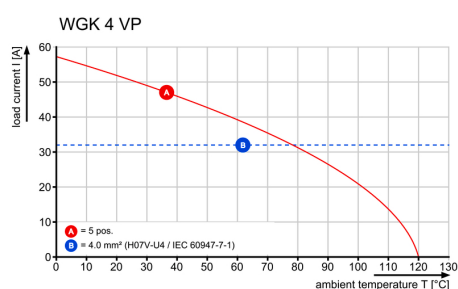
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Drawings

Dimensional drawing



Graph



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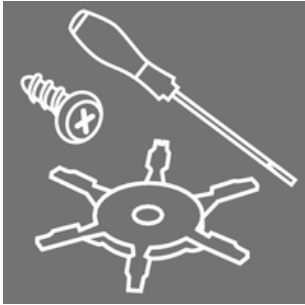
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Accessories

Accessories



Integrate, expand and customise: the perfect supplement to every application.

Universal system accessories enable easy adaptation of the interfaces to fulfil specific requirements for the relevant application.

General ordering data

Type	DP WGK 4 GY BX	Version	Product data
Order No.	1936450000	OMNIMATE Power - series WGK, Feed-through terminal	UL:
GTIN (EAN)	4032248780624		
Qty.	50 pc(s).		

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/6 MC NE WS	Version
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 pc(s).	

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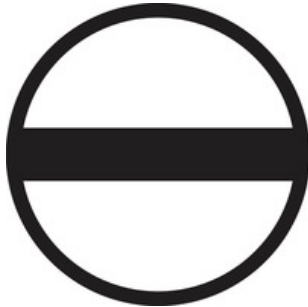
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Accessories

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.6X3.5X100	Version
Order No.	2749810000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118897012	thickness (A): 0.6 mm
Qty.	1 pc(s).	

Blank



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General ordering data

Type	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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www.weidmueller.com**Accessories****Blank**

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General ordering data

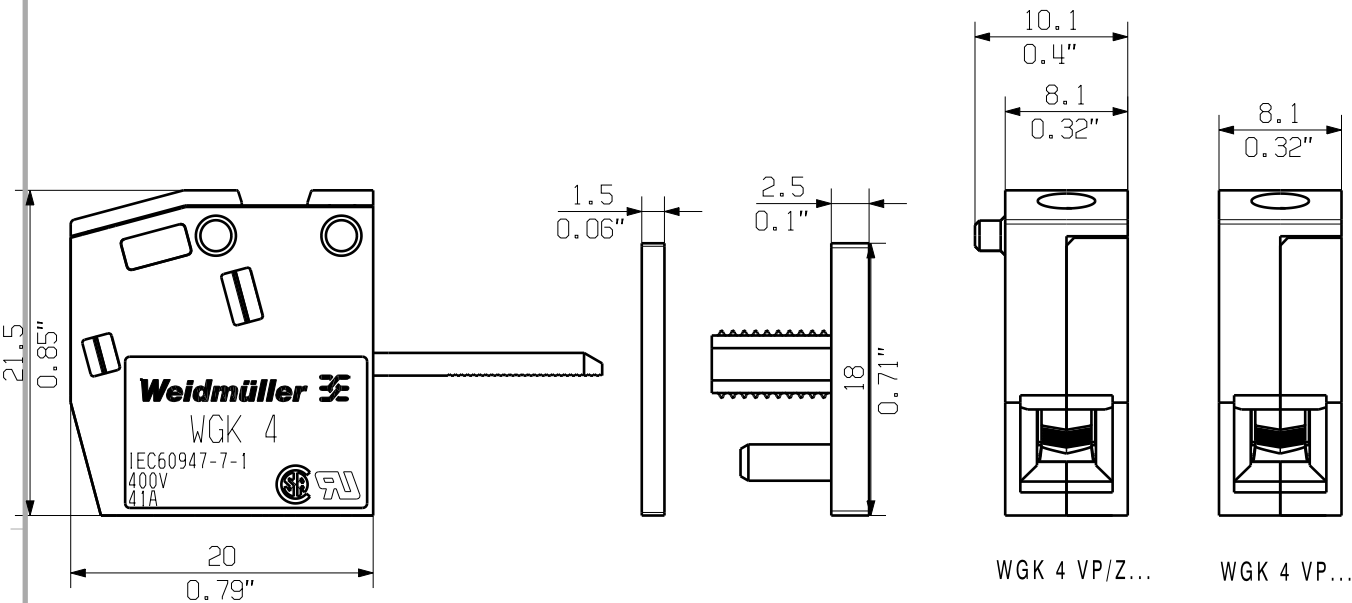
Type	DEK 5/8 MC NE WS	Version
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	

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Dimensions without tolerances are no check dimensions

The English version is binding

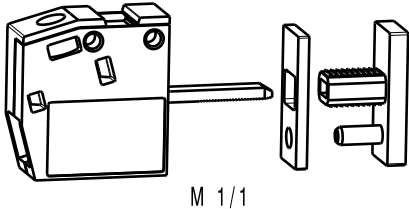


WGK 4 VP/Z...

WGK 4 VP...

KUNDENZEICHNUNG
CUSTOMER DRAWING

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



GENERAL TOLERANCE:
DIN ISO 2768-m



Max. nos.

91733/5
21.03.17 MA_J 00

Modification

Weidmüller

Drawing no. 4 43933 02
Sheet 00 of 01 sheets



	Date	Name
Drawn	19.02.2008	ZHOU_B
Responsible		MA_J
Checked	22.03.2017	ZHOU_N
Approved		XU_S

WGK 4 VP...
DURCHGANGS-REIHENKLEMME
PANEL FEED-THROUGH TERMINAL

Product file: WGK 4... 5250

Scale: 2/1

Supersedes: .

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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