

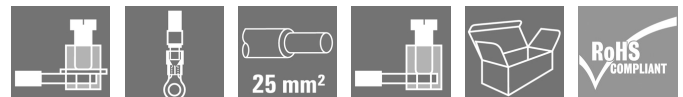
**WGK 16 VP BK BX****Weidmüller Interface GmbH & Co. KG**

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: 16 mm², Wemid (PA)
Order No.	<a href="#">2440660000</a>
Type	WGK 16 VP BK BX
GTIN (EAN)	4050118468274
Qty.	50 pc(s).
Product data	IEC: 500 V / 76 A / 0.5 - 25 mm² UL: 600 V / 85 A / AWG 20 - AWG 4
Packaging	Box

Creation date May 1, 2024 4:56:48 PM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

## WGK 16 VP BK BX

Weidmüller Interface GmbH &amp; Co. KG

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## Technical data

## Dimensions and weights

Net weight	25.46 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	1.0 x 5.5	Tightening torque, min.	2 Nm
Tightening torque, max.	2.3 Nm	Clamping screw	M 5
Stripping length	16 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20
Protection degree	IP20		

## Material data

Insulating material	Wemid (PA)	Colour	black
Colour chart (similar)	RAL 9011	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
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	120 °C

## Conductors suitable for connection

Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	25 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section AWG, max.	AWG 4
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	16 mm <sup>2</sup>
Stranded, min. H07V-R	10 mm <sup>2</sup>	Stranded, max. H07V-R	25 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	16 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	16 mm <sup>2</sup>
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)	76 A
Rated current, max. number of poles (Tu=20°C)	76 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

Rated voltage (Use group B / CSA)	600 V	Rated voltage (Use group C / CSA)	600 V
Rated current (Use group B / CSA)	85 A	Rated current (Use group C / CSA)	85 A
Wire cross-section, AWG, min.	AWG 20	Wire cross-section, AWG, max.	AWG 4

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## Technical data

## 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) 85 A

Rated current (Use group C / UL 1059) 85 A

Wire cross-section, AWG, min. AWG 20

Wire cross-section, AWG, max. AWG 4

Reference to approval values  
Specifications are maximum values, details - see approval certificate.

## Packing

Packaging	Box	VPE length	291 mm
VPE width	131 mm	VPE height	67 mm

## Classifications

ETIM 6.0	EC001283	ETIM 7.0	EC001283
ETIM 8.0	EC001283	ETIM 9.0	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	ECLASS 13.0	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 - 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

## Approvals

Approvals



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

## WGK 16 VP BK BX

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# Technical data

## Downloads

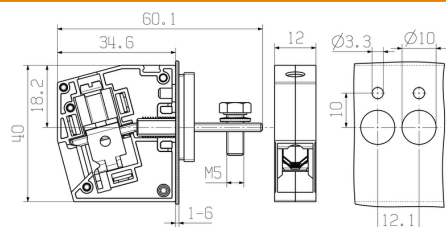
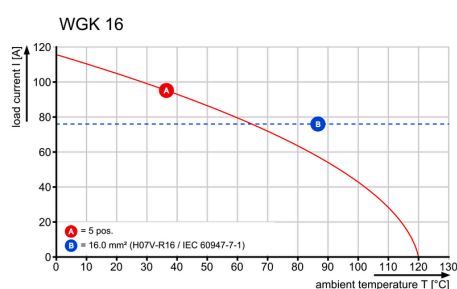
Approval/Certificate/Document of Con- formity	<a href="#">Declaration of the Manufacturer</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL DRIVES EN</a> <a href="#">MB DEVICE MANUF. EN</a> <a href="#">FL DRIVES DE</a> <a href="#">FL_BASE_STATION_EN</a> <a href="#">FL ELEVATOR EN</a> <a href="#">FL POWER SUPPLY EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Dimensional drawing****Derating curve**

## WGK 16 VP BK BX

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## Accessories

## 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.

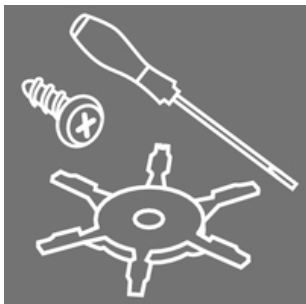
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**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 5/8 MC NE WS	Version
Order No.	<a href="#">1856740000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	

## 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 16 BK BX	Version	Product data
Order No.	<a href="#">1250580000</a>	OMNIMATE Power - series WGK, Feed-through terminal	UL:
GTIN (EAN)	4050118041613		
Qty.	50 pc(s).		

Type	DP WGK 16 GY BX	Version	Product data
Order No.	<a href="#">1936700000</a>	OMNIMATE Power - series WGK, Feed-through terminal	UL:
GTIN (EAN)	4032248664771		
Qty.	50 pc(s).		

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## Accessories

## Blank



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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

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## General ordering data

Type	DEK 5/6 MC NE WS	Version
Order No.	<a href="#">1609820000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 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 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	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](http://www.weidmueller.com)**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 1.0X5.5X125	Version
Order No.	<a href="#">2749850000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

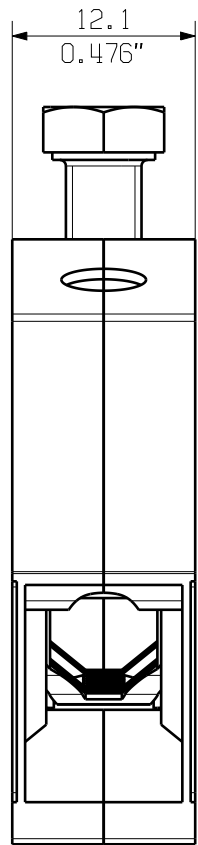


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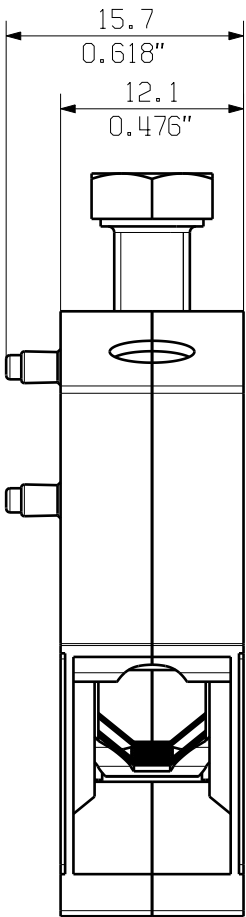
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Dimensions without tolerances are no check dimensions

The English version is binding



WGK 16 VP...



WGK 16VP/Z...

KUNDENZEICHNUNG  
CUSTOMER DRAWING

BEMESSUNGSDATEN  
RATED DATA  
BEMESSUNGSQUERSCHNITT  
RATED CROSS-SECTION 16 mm²  
BEMESSUNGSTROM  
RATED CURRENT 101 A  
BEMESSUNGSSPANNUNG  
RATED VOLTAGE 500 V

GENERAL TOLERANCE: DIN ISO 2768-m		91733/5 21.03.17 MA_J		00		Cat.no.: .	
RoHS COMPLIANT		Max. nos.		Modification		<b>Weidmüller</b>	
Scale: 5/2		Drawn		Date		Name	
Supersedes: .		Responsible		21.03.2017		MA_J	
		Checked		21.03.2017		ZHOU_N	
		Approved				XU_S	
						Drawing no. C 39573 04	
						Sheet 01 of 01 sheets	
						WGK 16 VP... DURCHFÜHRUNGSKLEMME FEED-THROUGH TERMINAL	
						Product file: WGK 16... 5380	