

**OMNIMATE Power - series PGK
PGK 4 BT BK**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Product image

The PGK 4 device feed-through terminal is the fastest and most compact solution for feed-throughs in housings.

The innovative PUSH IN connection system from Weidmüller makes for a simple, tool-free wire connection on the inside and outside of devices. The sliced design and an intuitive fastening mechanism enable high-density blocks to be constructed quickly and easily.

General ordering data

Type	PGK 4 BT BK
Order No.	1288590000
Version	OMNIMATE Power - series PGK, Feed-through terminal, Rated cross-section: 4 mm², Wemid (PA), Direct mounting, Feed-through (bushing)
GTIN (EAN)	4050118079845
Qty.	100 pc(s).
Product data	IEC: 500 V / 32 A / 0.5 - 4 mm² UL: 300 V / 30 A / AWG 24 - AWG 10
Packaging	Box

Creation date July 9, 2020 9:01:40 AM CEST

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Technical data

Dimensions and weights

Net weight	6.272 g
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System parameters

Product family	OMNIMATE Power - series PGK	Wire connection method	PUSH IN
Conductor outlet direction	180°	Number of poles	1
Fitted by customer	Yes	Screwdriver blade	0.4 x 2.5
Stripping length	12 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20

Material data

Insulating material	Wemid (PA)	Colour	black
Colour chart (similar)	RAL 9011	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.	4 mm ²
Wire connection cross section AWG, min.	AWG 24
Wire connection cross section AWG, max.	AWG 10
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	4 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm ² min.	
w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm ² max.	
w. wire end ferrule, DIN 46228 pt 1, 0.5 mm ² min.	
w. wire end ferrule, DIN 46228 pt 1, 4 mm ² max.	

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Technical data

Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	0.5 mm ²
	wire end ferrule	Stripping length	nominal 14 mm
		Recommended wire-end ferrule	H0.5/18 OR
	Cross-section for conductor connection	Type	fine-wired
		nominal	1 mm ²
	wire end ferrule	Stripping length	nominal 15 mm
		Recommended wire-end ferrule	H1.0/18 GE
	Cross-section for conductor connection	Type	fine-wired
		nominal	1.5 mm ²
	wire end ferrule	Stripping length	nominal 15 mm
		Recommended wire-end ferrule	H1.5/18D SW
		Stripping length	nominal 12 mm
		Recommended wire-end ferrule	H1.5/12
	Cross-section for conductor connection	Type	fine-wired
		nominal	0.75 mm ²
	wire end ferrule	Stripping length	nominal 14 mm
		Recommended wire-end ferrule	H0.75/18 W
	Cross-section for conductor connection	Type	fine-wired
		nominal	2.5 mm ²
wire end ferrule	Stripping length	nominal 14 mm	
	Recommended wire-end ferrule	H2.5/19D BL	
	Stripping length	nominal 12 mm	
	Recommended wire-end ferrule	H2.5/12	
Cross-section for conductor connection	Type	fine-wired	
	nominal	4 mm ²	
wire end ferrule	Stripping length	nominal 12 mm	
	Recommended wire-end ferrule	H4.0/12	
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	4 mm ²		

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	32 A
Rated current, max. number of poles (Tu=20°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		

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Technical data

Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

200039-70000589

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 24
Reference to approval values	Specifications are maximum values, details - see approval certificate.

Rated voltage (Use group C / CSA)	150 V
Rated current (Use group B / CSA)	30 A
Rated current (Use group D / CSA)	30 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 24
Reference to approval values	Specifications are maximum values, details - see approval certificate.

Rated voltage (Use group C / UL 1059)	150 V
Rated current (Use group B / UL 1059)	30 A
Rated current (Use group D / UL 1059)	30 A
Wire cross-section, AWG, max.	AWG 10

Packing

Packaging	Box	VPE length	90 mm
VPE width	110 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		

Notes

Notes

- Packing unit incl. 30 locking elements (VREL PGK 4 OR - 1288610000)
- End plate required
- 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
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/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

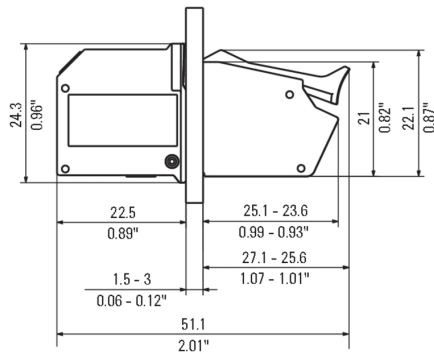
[STEP](#)

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Drawings

Dimensional drawing



Product benefits



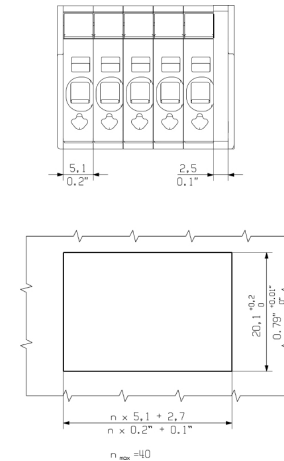
Secure and reliable installation

Product benefits

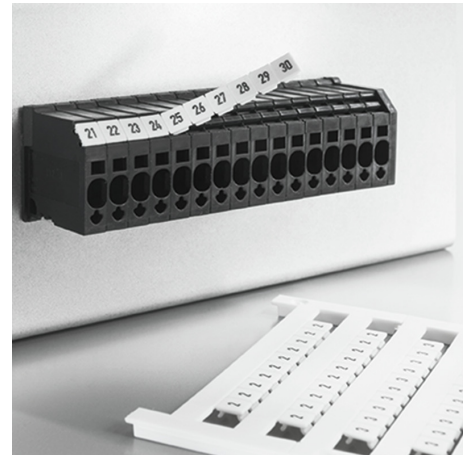


Available test points

Dimensional drawing



Product benefits



Clear marking position

Product benefits



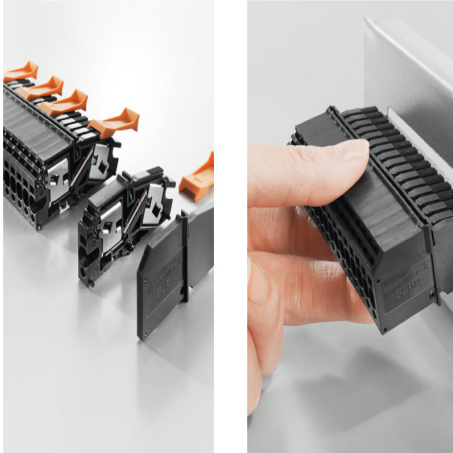
Intuitive fastening mechanism
Lower assembly costs

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Drawings

Product benefits



Space-saving with disk design