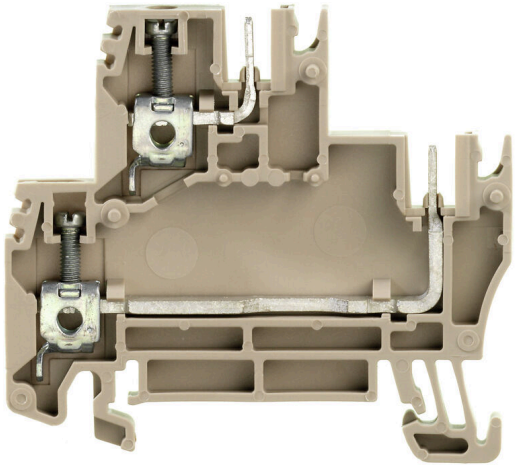
Data sheet

WDK 2.5 BLA/5.08/ZA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Multi-tier modular terminal, Screw connection, dark beige, 2.5 mm², 250 V, Number of connections: 4, Number of levels: 2, TS 35, V-0
Order No.	1038100000
Type	WDK 2.5 BLA/5.08/ZA
GTIN (EAN)	4008190880521
Qty.	50 items
Delivery status	Discontinued
Available until	2024-04-30T00:00:00+02:00
Alternative product	WDK 2.5/BLZ/5.08/ZA

Data sheet

WDK 2.5 BLA/5.08/ZA

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	52.5 mm	Depth (inches)	2.0669 inch
Depth including DIN rail	53 mm	Height	58 mm
Height (inches)	2.2835 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	10.13 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	2 screw connections - 2 plug-in connections, With assembly peg, One end without connector	End cover plate required	Yes
Number of potentials	2	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, solid, two clampable wires, max.	2.5 mm²	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm²
Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm²	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm²

Additional technical data

Open sides	right	Explosion-tested version	No
Type of mounting	Snap-on		

WDK 2.5 BLA/5.08/ZA

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Technical data

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	1.5 mm²

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Stripping length	10 mm
Type of connection	Screw connection	Number of connections	4
Clamping range, max.	4 mm²	Clamping range, min.	0.13 mm²
Clamping screw	M 2.5	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 30	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	2.5 mm²
Connection cross-section, stranded, min.	1.5 mm²	Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30
Standards	IEC 61984, In accordance with IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm²	Rated voltage	250 V
Rated DC voltage	250 V	Nominal current	15 A
Current at maximum wires	17.5 A	Standards	IEC 61984, In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

Classifications

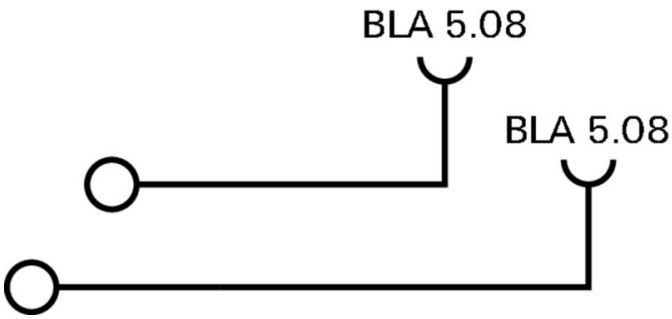
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ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-02
ECLASS 15.0	27-25-01-02		

WDK 2.5 BLA/5.08/ZA

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Drawings



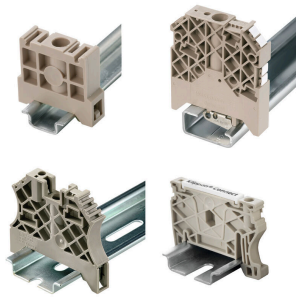
WDK 2.5 BLA/5.08/ZA

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Accessories

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/1	Version
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C
GTIN (EAN)	4008190172282	
Qty.	50 ST	

Mounting support



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

General ordering data

Type	WBB WDK2.5/BL5.08	Version
Order No.	1072660000	Partition plate (terminal), orange, Height: 58 mm, Width: 5 mm, V-2,
GTIN (EAN)	4008190470555	PA 66
Qty.	10 ST	
Type	WBB ZA WDK2.5/BL5.08	Version
Order No.	1072760000	Partition plate (terminal), orange, Height: 58 mm, Width: 5 mm, V-2,
GTIN (EAN)	4008190470548	PA 66
Qty.	10 ST	

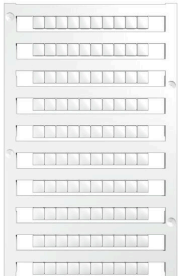
WDK 2.5 BLA/5.08/ZA

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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.

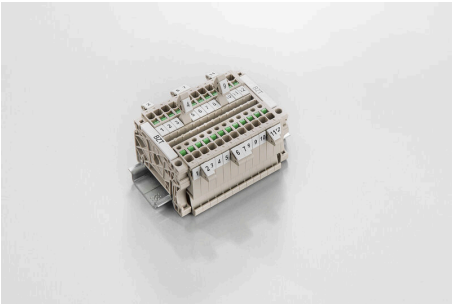
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 5/5 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.	1000 ST	
Type	WS 8/5 MC NE WS	Version
Order No.	1640740000	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190279103	Allen-Bradley, white
Qty.	720 ST	

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

Weidmüller

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Accessories

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WAP WDK2.5/BLZ/O.ZA	Version
Order No.	1070000000	End plate for terminals, dark beige, Height: 45.4 mm, Width: 5.08
GTIN (EAN)	4008190191221	mm, V-0, Wemid, Snap-on: No
Qty.	20 ST	

WS 8/5



WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark
- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS 8/5 MM WS	Version
Order No.	2007150000	WS, Terminal marker, 8 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392029	
Qty.	800 ST	

WDK 2.5 BLA/5.08/ZA

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Accessories

End plates and partition plates



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General ordering data

Type	WAP WDK2.5/BLZ/O.ZA LG	Version
Order No.	1112130000	End plate for terminals, Light Grey, Height: 45.4 mm, Width: 5.08
GTIN (EAN)	4032248891313	mm, V-0, Wemid, Snap-on: No
Qty.	20 ST	