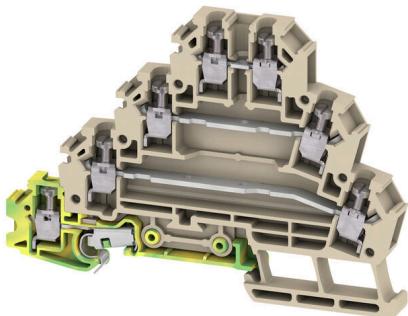


MAK 2.5 DB

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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	Motor-connection terminal (Multi-level), Screw connection, dark beige, 2.5 mm ² , 24 A, 500 V, Number of connections: 7, Number of levels: 4, TS 35, V-0, Wemid
Order No.	7917030000
Type	MAK 2.5 DB
GTIN (EAN)	4032248190928
Qty.	50 items

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	63 mm	Depth (inches)	2.4803 inch
Depth including DIN rail	64 mm	Height	88 mm
Height (inches)	3.4646 inch	Width	6.2 mm
Width (inches)	0.2441 inch	Net weight	23.24 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °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	Screw connection, With PE connection, One end without connector	End cover plate required	Yes
Number of potentials	4	Number of levels	4
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	No

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

Cross-section for connected wire, solid, two clampable wires, max.	1 mm ²	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	0.75 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²
Wire cross-section, finely stranded, two clampable wires, max.	1 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²
Cross-section for connected wire, stranded, two clampable wires, max.	1 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	0.5 mm ²

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Technical data

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	10 A	Certificate No. (CSA)	12400-320
Voltage size B (CSA)	300 V	Current size B (CSA)	10 A
Voltage size D (CSA)	300 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 12
Connection direction	on side
Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm
Stripping length	8 mm
Type of connection	Screw connection
Number of connections	7
Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²
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 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.13 mm ²
Connection cross-section, stranded, max.	4 mm ²
Connection cross-section, stranded, min.	0.13 mm ²
Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.13 mm ²

Clampable conductor	Connection specification	Screw connection					
		Type	solid, H05(07) V-U				
	Cross-section for conductor connection	min.	0.5 mm ²				
		max.	4 mm ²				
		nominal	2.5 mm ²				
	wire end ferrule	Stripping length	<table border="1"> <tr> <td>min.</td><td>8 mm</td></tr> <tr> <td>max.</td><td>8 mm</td></tr> </table>	min.	8 mm	max.	8 mm
min.	8 mm						
max.	8 mm						

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Technical data

		nominal	8 mm
Tightening torque		min.	0.4 Nm
		max.	0.6 Nm
Connection specification		Screw connection	
Cross-section for conductor connection		Type	stranded, H07V-R
		min.	0.5 mm ²
		max.	4 mm ²
		nominal	2.5 mm ²
wire end ferrule		Stripping length	min. 8 mm max. 8 mm nominal 8 mm
		Tightening torque	min. 0.4 Nm max. 0.6 Nm
Connection specification		Screw connection	
wire end ferrule		Stripping length	min. 8 mm max. 8 mm nominal 8 mm
		Tightening torque	min. 0.4 Nm max. 0.6 Nm

Dimensions

TS 35 offset	28.1 mm
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General

Wire connection cross section AWG, max.	AWG 12	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 30	Standards	IEC 60947-7-1 (-7-2)
Mounting rail	TS 35		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	24 A
Current at maximum wires	31 A	Standards	IEC 60947-7-1 (-7-2)
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (UR) 12 AWG	Current size D (UR)	10 A
Conductor size Factory wiring min. (UR) 26 AWG	Certificate No. (UR)	E60693
Conductor size Field wiring min. (UR) 22 AWG	Voltage size D (UR)	300 V
Conductor size Field wiring max. (UR) 12 AWG		

Classifications

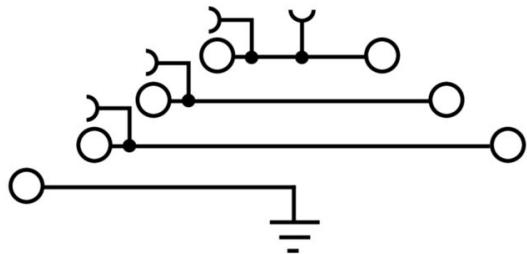
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-02
ECLASS 15.0	27-25-01-02		

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Drawings

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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	VQB 1.5/50 BL	Version
Order No.	1633280000	Cross-connector (terminal), when screwed in, blue, 17.5 A, Number of
GTIN (EAN)	4008190257743	poles: 50, Pitch in mm (P): 6.20, Insulated: Yes, Width: 4.2 mm
Qty.	5 ST	
Type	VQB 1.5/50 RT	Version
Order No.	1633290000	Cross-connector (terminal), when screwed in, red, 17.5 A, Number of
GTIN (EAN)	4008190257750	poles: 50, Pitch in mm (P): 6.20, Insulated: Yes, Width: 4.2 mm
Qty.	5 ST	
Type	VQB 1.5/50 SW	Version
Order No.	1635120000	Cross-connector (terminal), when screwed in, black, 17.5 A, Number
GTIN (EAN)	4008190262761	of poles: 50, Pitch in mm (P): 6.20, Insulated: Yes, Width: 4.2 mm
Qty.	5 ST	

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	AP MAK2.5 DB	Version
Order No.	7917000000	End plate for terminals, dark beige, Height: 87.8 mm, Width: 1.5 mm,
GTIN (EAN)	4032248190911	V-0, Wemid, Snap-on: Yes
Qty.	20 ST	

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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	
Type	WEW 35/2	Version
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	

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.	9008390000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 ST	

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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	Weidmüller, white
Qty.	1000 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 snapped 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	