

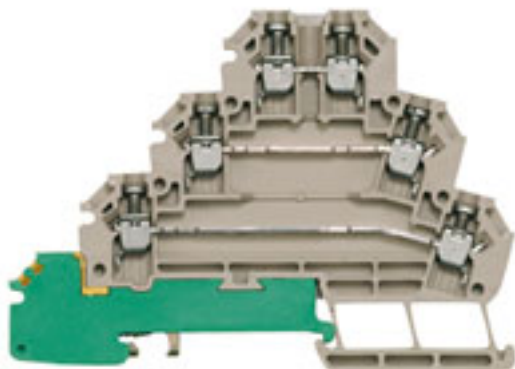
MAK 2.5 DB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Our motor connection terminals offer the possibility of convenient wiring of all 3 phases including protective conductor on only one terminal block.

General ordering data

Version	W-Series, Motor-connection terminal, Rated cross-section: 2.5 mm ² , Screw connection, Direct mounting
Order No.	7917030000
Type	MAK 2.5 DB
GTIN (EAN)	4032248190928
Qty.	50 pc(s).

Creation date March 26, 2022 4:38:32 AM CET

Catalogue status 11.03.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	63 mm	Depth (inches)	2.48 inch
Depth including DIN rail	64 mm	Height	88 mm
Height (inches)	3.465 inch	Width	6.2 mm
Width (inches)	0.244 inch	Net weight	23.24 g

Temperatures

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

Material data

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
Rail	TS 35	N-function	No
PE function	Yes	PEN function	No

Additional technical data

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

CSA rating data

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

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
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Technical data

Clampable conductor	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		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	
		Recommended wire-end ferrule			
	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		
	Recommended wire-end ferrule				
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			
Recommended wire-end ferrule					
Clamping range, max.	4 mm ²				
Clamping range, min.	0.13 mm ²				
Clamping screw	M 2.5				
Connection cross-section, stranded, max.	4 mm ²				
Connection cross-section, stranded, min.	0.5 mm ²				
Connection direction	on side				
Gauge to IEC 60947-1	A3				
Number of connections	7				
Stripping length	8 mm				
Tightening torque, max.	0.6 Nm				
Tightening torque, min.	0.4 Nm				
Type of connection	Screw connection				
Wire connection cross section, finely stranded, max.	4 mm ²				
Wire connection cross section, finely stranded, min.	0.5 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.	0.5 mm ²				
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²				

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
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Wire connection cross-section, solid core, max.	4 mm ²
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Wire connection cross-section, solid core, min.	0.5 mm ²
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Dimensions

TS 35 offset	28.1 mm
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General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1 (-7-2)		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500
Rated 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
Pollution severity	3	Surge voltage category	III

UL rating data

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

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

Approvals

Approvals



ROHS	Conform
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UL File Number Search	E60693
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Technical data**Downloads**

Approval/Certificate/Document of Conformity	EAC certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

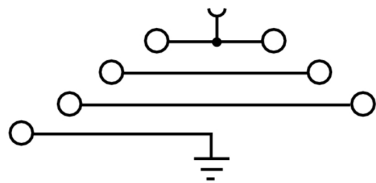
Data sheet

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Drawings



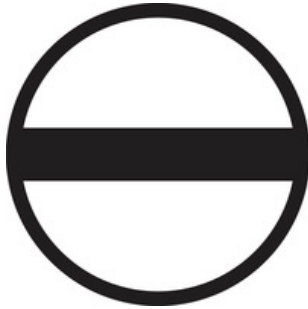
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Accessories

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.	9008390000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 pc(s).	

2.5 mm²



Power distribution

You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.

General ordering data

Type	AP MAK2.5 DB	Version
Order No.	7917000000	SAK Series, End plate, 1.5 mm, dark beige, Direct mounting
GTIN (EAN)	4032248190911	
Qty.	20 pc(s).	

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Accessories

W-Series



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 35/2	Version
Order No.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	
Type	WEW 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

1.5 mm²



Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

General ordering data

Type	VQB 1.5/50 BL	Version
Order No.	1633280000	SAK Series, Cross-connector bridge, for cross-connection link, Number
GTIN (EAN)	4008190257743	of poles: 50
Qty.	5 pc(s).	
Type	VQB 1.5/50 RT	Version
Order No.	1633290000	SAK Series, Cross-connector bridge, for cross-connection link, Number
GTIN (EAN)	4008190257750	of poles: 50
Qty.	5 pc(s).	
Type	VQB 1.5/50 SW	Version
Order No.	1635120000	SAK Series, Cross-connector bridge, for cross-connection link, Number
GTIN (EAN)	4008190262761	of poles: 50
Qty.	5 pc(s).	

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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.	1,000 pc(s).		

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