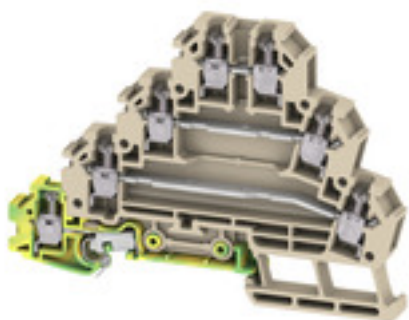


MAK 2.5 DB**Weidmüller Interface GmbH & Co. KG**

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	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-O, Wemid
Order No.	7917030000
Type	MAK 2.5 DB
GTIN (EAN)	4032248190928
Qty.	50 pc(s).

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

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 AWG, max.		AWG 12			
Wire connection cross section AWG, min.		AWG 30			
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			

Creation date May 16, 2025 8:46:56 AM CEST

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
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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)	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	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	ETIM 9.0	EC000897
ETIM 10.0	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	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-02	ECLASS 14.0	27-25-01-02
ECLASS 15.0	27-25-01-02		

Environmental Product Compliance

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

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Technical data

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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UL File Number Search	UL Website
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Certificate No. (UR)	E60693
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Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

