Data sheet

SAKG 54/35 II

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

www.weidmueller.com

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	Feed-through terminal block, Screw connection, medium yellow, 240 mm², 415 A, 1000 V, Number of connections: 1
Order No.	0638120000
Type	SAKG 54/35 II
GTIN (EAN)	4008190068646
Qty.	5 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	60.5 mm	Depth (inches)	2.3819 inch
Height	122 mm	Height (inches)	4.8031 inch
Width	54 mm	Width (inches)	2.126 inch
Net weight	587.6 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

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

Material data

Basic material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

System specifications

Version	Stud terminal	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35		

Additional technical data

Open sides	Open	Number of similar terminals	1
Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Snap-on		

CSA rating data

Wire cross section max. (CSA)	500 kcmil	Voltage size C (CSA)	600 V
Current size C (CSA)	600 A	Certificate No. (CSA)	12400-199
Wire cross section min. (CSA)	300 kcmil		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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Technical data

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	kcmil 500	Connection direction	on side
Tightening torque, max.	60 Nm	Tightening torque, min.	25 Nm
Type of connection	Screw connection	Number of connections	1
Clamping range, max.	240 mm²	Clamping range, min.	10 mm²
Clamping screw	M 16	Wire connection cross section AWG, min.	kcmil 300
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm²
Wire connection cross section, finely stranded, max.	240 mm²	Wire connection cross section, finely stranded, min.	10 mm²
Connection cross-section, stranded, max.	240 mm²	Connection cross-section, stranded, min.	10 mm²
Wire connection cross-section, solid core, max.	240 mm²	Wire connection cross-section, solid core, min.	10 mm²
Connection cross-section, finely stranded, min.	10 mm²		

General

Wire connection cross section AWG, max.	kcmil 500	Installation advice	Direct mounting
Wire connection cross section AWG, min.	kcmil 300	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	240 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	415 A
Current at maximum wires	415 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.08 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	13.28 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	500 kcmil	Current size C (UR)	380 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	300 kcmil
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	300 kcmil
Conductor size Field wiring max. (UR)	500 kcmil		

Classifications

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

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Cross-connections

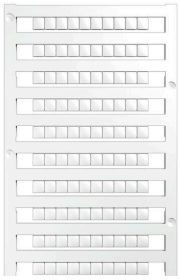


The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable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

General ordering data

Type	QL 3 SAKG54	Version
Order No.	0408000000	Cross-connector (terminal), when screwed in, grey, 415 A, Number of
GTIN (EAN)	4008190069711	poles: 3, Pitch in mm (P): 54.00, Insulated: No, Width: 148 mm
Qty.	5 ST	
Type	QL 4 SAKG54	Version
Order No.	0247400000	Cross-connector, Cross-connector, Number of poles: 4
GTIN (EAN)	4008190099251	
Qty.	5 ST	

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	

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General ordering data

Type	DEK 5/5 MC SDR	Version
Order No.	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 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	TW SAKG46 HP/TF/GE/2	Version
Order No.	0179900000	Partition plate (terminal), yellow, Height: 160 mm, Width: 2 mm, V-2,
GTIN (EAN)	4008190107833	PA 66
Qty.	10 ST	
Type	EP 2 SAKG46/32 HP/TF/GE	Version
Order No.	0205400000	End and partition plate for terminals, yellow, Height: 160 mm, Width:
GTIN (EAN)	4008190027223	2 mm, V-2, PA 66
Qty.	10 ST	

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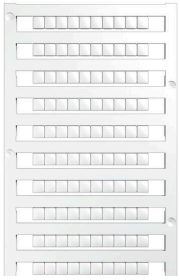
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Accessories

Blank



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General ordering data

Type	DEK 5/5 MC NE BL	Version
Order No.	1609801693	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397166	Weidmueller, blue
Qty.	1000 ST	
Type	DEK 5/5 MC NE BR	Version
Order No.	1249870000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118051865	Weidmueller, brown
Qty.	1000 ST	
Type	DEK 5/5 MC NE GE	Version
Order No.	1609801687	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397135	Weidmueller, yellow
Qty.	1000 ST	
Type	DEK 5/5 MC NE GN	Version
Order No.	1609801688	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397142	Weidmueller, green
Qty.	1000 ST	
Type	DEK 5/5 MC NE GR	Version
Order No.	1609801691	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397159	Weidmueller, grey
Qty.	1000 ST	
Type	DEK 5/5 MC NE OR	Version
Order No.	1238340000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118062632	Weidmueller, orange
Qty.	1000 ST	
Type	DEK 5/5 MC NE RT	Version
Order No.	1609801686	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397128	Weidmueller, red
Qty.	1000 ST	
Type	DEK 5/5 MC NE SW	Version
Order No.	1457550000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118263817	Weidmueller, black
Qty.	1000 ST	

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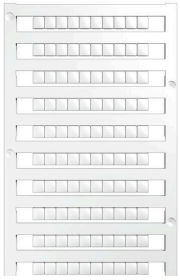
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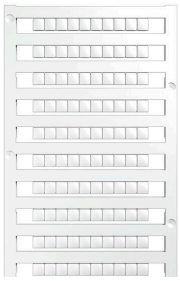
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General ordering data

Type	DEK 5/5 MC NE V0 WS	Version
Order No.	1388530000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118188622	Weidmueller, white
Qty.	1000 ST	

Blank



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General ordering data

Type	DEK 5/5 MC NE VI	Version
Order No.	1249860000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118042764	Weidmueller, violet
Qty.	1000 ST	

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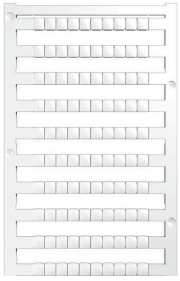
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Plus



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General ordering data

Type	DEK 5/5 PLUS MC NE GE	Version
Order No.	1907520000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248532100	Weidmueller, yellow
Qty.	1000 ST	
Type	DEK 5/5 PLUS MC NE WS	Version
Order No.	1854490000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmueller, white
Qty.	1000 ST	

Custom printing



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General ordering data

Type	DEK 5/5 PLUS MC SDR	Version
Order No.	1854500000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393602	Weidmueller, To customer specification
Qty.	200 ST	

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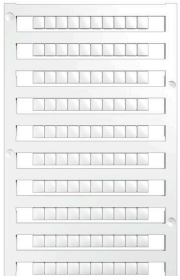
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General ordering data

Type	DEK 5/5 S MC NE WS	Version
Order No.	1341620000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118145793	Weidmueller, white
Qty.	400 ST	

Custom printing



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General ordering data

Type	DEK 5/5 S MC SDR	Version
Order No.	1341590000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118146042	Weidmueller, To customer specification
Qty.	80 ST	

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DEK 5/5

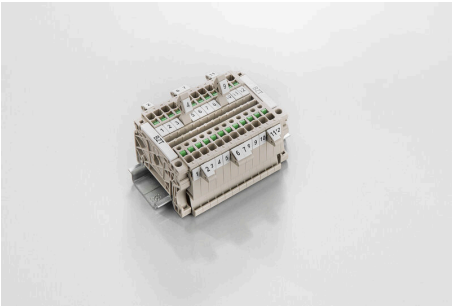


WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate 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	DEK 5/5 MM WS	Version
Order No.	2007110000	Dekafix, Terminal marker, 5 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118391862	
Qty.	800 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	

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Accessories

DEK 5/8



WS/ DEK
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• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 ST	

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