

SAK 2.5/TC AL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Thermocouple Terminal blocks are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal block when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes and controllers.

General ordering data

Version	Thermocouple terminal, Screw connection, beige / yellow, 2.5 mm ² , Number of connections: 2, Number of levels: 1, TS 32, V-2, PA 66
Order No.	0107160000
Type	SAK 2.5/TC AL
GTIN (EAN)	4008190188726
Qty.	25 pc(s).

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Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Height	36.5 mm	Height (inches)	1.437 inch
Width	6 mm	Width (inches)	0.236 inch
Net weight	8.57 g		

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	100 °C		

Material data

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

System specifications

Version	Screw connection, Thermocouple, One end without connector	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
Rail	TS 32	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 4 mm²

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	2.5 mm ²
Clamping screw	M 2.5	Connection cross-section, stranded, max.	2.5 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	Connection direction	on side
Number of connections	2	Stripping length	10 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.	2.5 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
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	2.5 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 60584, IEC 60947-7-1		

Rating data

Rated cross-section	2.5 mm ²	Standards	IEC 60584, IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

Classifications

ETIM 6.0	EC000904	ETIM 7.0	EC000904
ETIM 8.0	EC000904	ETIM 9.0	EC000904
ECLASS 9.0	27-14-11-42	ECLASS 9.1	27-14-11-42
ECLASS 10.0	27-14-11-42	ECLASS 11.0	27-14-11-42
ECLASS 12.0	27-14-11-42	ECLASS 13.0	27-25-01-15
ECLASS 14.0	27-25-01-15		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals	
ROHS	Conform

Data sheet**SAK 2.5/TC AL**

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Technical data**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

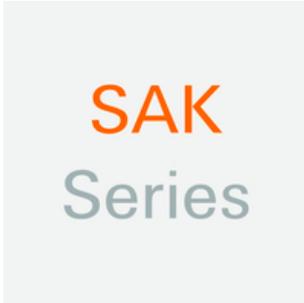
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Accessories

SAK-Series



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	AP SAK2.5	Version
Order No.	0279560000	End plate (terminals), beige, Height: 36.5 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190075736	Polyamide 66
Qty.	20 pc(s).	
Type	AP SAK2.5 BL	Version
Order No.	0279580000	End plate (terminals), blue, Height: 36.5 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190050702	Polyamide 66
Qty.	20 pc(s).	

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 5/6.5 MC NE WS	Version
Order No.	1609840000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429	Weidmueller, white
Qty.	900 pc(s).	

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Accessories

DEK 5/6



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 5/6 MM WS	Version	
Order No.	2007120000		Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		

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Accessories

Custom printing



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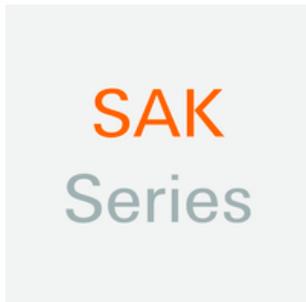
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General ordering data

Type	DEK 5/6.5 MC SDR	Version	
Order No.	1609850000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50	
GTIN (EAN)	4008190456610	Weidmueller, To customer specification	
Qty.	180 pc(s).		

SAK-Series



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	TW SAK2.5 BL	Version	
Order No.	0302880000	Partition plate (terminal), blue, Height: 50 mm, Width: 1.5 mm, V-2, PA	
GTIN (EAN)	4008190047948	66	
Qty.	20 pc(s).		
Type	TW SAK2.5	Version	
Order No.	0302860000	Partition plate (terminal), beige, Height: 50 mm, Width: 1.5 mm, V-2,	
GTIN (EAN)	4008190032968	PA 66	
Qty.	20 pc(s).		

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Accessories

Blank



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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).	

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

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Accessories

DEK 5/8



WS/ DEK

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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 pc(s).		

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Accessories

Blank



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General ordering data

Type	DEK 5/6 MC NE BL	Version
Order No.	1238290000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118267327	Weidmueller, blue
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE GR	Version
Order No.	1238330000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323306	Weidmueller, grey
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE BR	Version
Order No.	1454900000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323313	Weidmueller, brown
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE GE	Version
Order No.	1238280000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118038750	Weidmueller, yellow
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE WS	Version
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE GN	Version
Order No.	1238310000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118271812	Weidmueller, green
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE OR	Version
Order No.	1912090000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248540525	Weidmueller, orange
Qty.	1,000 pc(s).	

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Accessories

W-Series



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General ordering data

Type	WTW EN	Version
Order No.	1058800000	Partition plate (terminal), dark beige, Height: 86 mm, Width: 3 mm,
GTIN (EAN)	4008190140175	V-O, Wemid
Qty.	20 pc(s).	

Plus



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General ordering data

Type	DEK 5/6 PLUS MC NE WS	Version
Order No.	1011320000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248717644	Weidmueller, white
Qty.	1,000 pc(s).	

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General ordering data

Type	DEK 5/6 PLUS MC SDR	Version
Order No.	1038650000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248767908	Weidmueller, To customer specification
Qty.	200 pc(s).	
Type	DEK 5/6 MC SDR	Version
Order No.	1609830000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 pc(s).	