

**EK 4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Version	SAK Series, PE terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Green/yellow, Direct mounting
Order No.	<a href="#">0354560000</a>
Type	EK 4
GTIN (EAN)	4008190104849
Qty.	100 pc(s).

Creation date January 14, 2022 9:46:18 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

## EK 4

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## Technical data

## Dimensions and weights

Depth	51.5 mm	Depth (inches)	2.028 inch
Height	40 mm	Height (inches)	1.575 inch
Width	8 mm	Width (inches)	0.315 inch
Weight	22.99 g	Net weight	21.94 g

## Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

## Material data

Material	PA 66	Colour	yellow, green
UL 94 flammability rating	V-2		

## Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8210U	Certificate No. (IECEX)	IECEXTUR18.0020U
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

## System specifications

Version	Screw connection, With PE connection, One end without connector	End cover plate required	No
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	Yes
Rail	TS 32	N-function	No
PE function	Yes	PEN function	No

## Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	when screwed in		

## CSA rating data

Certificate No. (CSA)	12400-235	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm <sup>2</sup>
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## Technical data

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.33 mm <sup>2</sup>	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A4
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

## General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 22		

## PE rating data

Rated short-time current	480 A (4 mm <sup>2</sup> )	Centre screw on PE terminals	M 3
Tightening torque range for fixing screw	0.5...1.0 Nm	PEN function	No

## Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3		

## 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		

## Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41		

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation Of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">CB Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">EAC certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">CAD data – 07238_EK_4_DXF.dxf</a> <a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Product Change Notification	<a href="#">PCN_DK4_20190405</a>
User Documentation	<a href="#">NTI DK 4</a> <a href="#">NTI DK 4Q/32</a> <a href="#">NTI DK 4QV/32</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI SAK 4/32</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

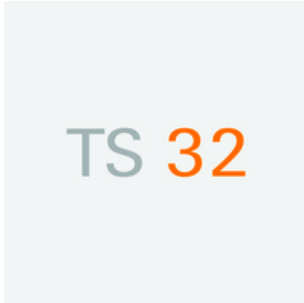
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**Accessories**

**TS 32**



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	EWK 1	Version
Order No.	<a href="#">0206160000</a>	Accessories, End bracket
GTIN (EAN)	4008190080020	
Qty.	50 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.	<a href="#">1609840000</a>	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**

**Steel**



Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

**General ordering data**

Type	TS 32X15/LL 2M/ST/ZN	Version
Order No.	<a href="#">0514400000</a>	Rail, TS 32, with slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190086152	
Qty.	2 m	

**Mounting rail support**



Mounting rail supports can be used to mount din rails at any location in the cabinet. The resulting raised or angled din rail offers the installer both easier component mounting and wiring.

**General ordering data**

Type	SH 2	Version
Order No.	<a href="#">0494920000</a>	Accessories, Rail support, KrG
GTIN (EAN)	4008190007584	
Qty.	10 pc(s).	

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## Accessories

## Custom printing



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## General ordering data

Type	DEK 5/6.5 MC SDR	Version	
Order No.	<a href="#">1609850000</a>		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).		

# Mouser Electronics

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