

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16 D-32758 Detmold

Germany

Fon: +49 5231 14-0 Fax: +49 5231 14-292083 www.weidmueller.com







Klippon® Connect with clamping yoke Technology

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

2020-12-31
SAK 6N KRG
<u>0193220000</u>
4008190098285
100 pc(s).
<u>1020200000</u>



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Technical data

Dimensions and weights

Width	8 mm	Width (inches)	0.315 inch
Height	40 mm	Height (inches)	1.575 inch
Depth	49 mm	Depth (inches)	1.929 inch
Net weight	17.57 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	KrG	Colour	Medium Yellow
UL 94 flammability rating	V-0. 5VA		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	Max. voltage (ATEX)	550 V
Current (ATEX)	36 A	Wire cross section max. (ATEX)	6 mm²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex- Certificate of Conformity	Marking EN 60079-7	Ex e II
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, for screwable cross- connection, One end	Tightening torque (clamping screw for copper conductors)	
	without connector		0.81.6 Nm
End cover plate required	Yes	Number of potentials	1
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 32
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1	
Open sides	right	Type of mounting	Snap-on	

CSA rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	47 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		



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Technical data

Conductors for clamping (rated connection)

Conductors for clamping (rat	ed connection)		
Blade size	4.0 x 0.8 mm	Clamping range, max.	10 mm ²
Clamping range, min.	0.33 mm ²	Clamping screw	M 3.5
Connection cross-section, stranded,		Connection cross-section, stranded, m	in.
max.	6 mm ²		0.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	0.8 Nm
Torque level with DMS electric screwdriver	3	Twin wire-end ferrules, max.	4 mm²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section, finely stranded, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, finely stranded, min.	0.5 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	0.5 mm ²		
Rating data			
Rated cross-section	6 mm²	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	57 A
Standards	717	Volume resistance according to IFC	37.6

Rated cross-section	6 mm²	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	57 A
Standards		Volume resistance according to IEC	
	IEC 60947-7-1	60947-7-x	$0.78~\text{m}\Omega$
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	40 A
Voltage size C (UR)	600 V		

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text ordering data	With AWG 6 and H07V-R10 conductors, an increased MD torque of 1.4 to 1.6 Nm must be applied.
Descriptive text technical data	When used with twin wire-end ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.



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Technical data

Approvals

Approvals





Conform

Downloads

Approval/Certificate/Document of	CFAT_SAK 6N KRG.pdf
Conformity	DE_PT1341_20160418_435_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	0193220000_04476_SAK_6N_KRG_STP.stp
User Documentation	Cross Connection Guide

Safety note

Safety notice	Safety Information	



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Accessories

Covers



Klippon® Connect with clamping yoke Technology

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General ordering data

Туре	Order No.	Version	GTIN (EAN)	Qty.
AD 4 SAK6N	0196600000	SAK Series, cover plate,	400819016933	650 pc(s).
		Yellow, 31.6 mm		

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

Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MC	<u>1856740000</u>	Dekafix, Terminal marker,	403224840085	0800 pc(s).
NE WS		5 x 8 mm, Pitch in mm (P):		
		8.00 Weidmueller, White		



Accessories

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Non-insulated sockets



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General ordering data

Туре	Order No.	Version	GTIN (EAN) Qty.
STB 14/	<u>0169900000</u>	Accessories, Socket	400819007666550 pc(s).
D6/4/M3			
SAK10			

DEK 5/8



WS/ DFK

MultiMark DEK/WS connector 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

- Compatible with Weidmüller molular terminal blocks
- 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 levels of flexibility thanks to manufacturerindependence

Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MM	<u>2007130000</u>	Dekafix, Terminal marker,	4050118392012	2500 pc(s).
WS		5 x 8 mm, Weidmueller,		
		White		



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Partition plates



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General ordering data

Туре	Order No.	Version	GTIN (EAN)	Qty.
TW 4	0130160000	SAK Series, Seperation	400819009633	5 20 pc(s).
SAK4-10		plate, 1.5 mm, Beige		
TW SAK4-10	0130120000	SAK Series, Seperation	400819013911	7 20 pc(s).
KRG		plate, 2.25 mm, Dark Beige	·,	
		Yellow, Direct mounting		
TW SAK4-10	<u>0130170000</u>	SAK Series, Seperation	400819006375	7 20 pc(s).
KRG/BL		plate, 2.25 mm, Blue, Direc	t	
		mounting		
TW SAK4-10	<u>0197100000</u>	SAK Series, Seperation	400819014662	7 20 pc(s).
HP/DBR/0.5		plate, 0.5 mm, Brown, Dark	(
		Beige, Direct mounting		
TW 4	0130180000	SAK Series, Seperation	4008190114138	3 20 pc(s).
SAK4-10 BL		plate, 1.5 mm, Blue		
TW SAK4-10	<u>0130100000</u>	SAK Series, Seperation	4008190407599	920 pc(s).
EP/SW		plate, 2.53 mm, Black,		
		Direct mounting		

Custom printing



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- · Available as blank MultiCard or with standard printing

Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MC	<u>1856750000</u>	Dekafix, Terminal marker,	403224840086	7 160 pc(s).
SDR		5 x 8 mm, Pitch in mm		
		(P): 8.00 Weidmueller, To		
		customer specification		



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Accessories

DEK 5/8 PLUS <u>1046370000</u>	Dekafix, Terminal marker, 4032248782079 160 pc(s).
MC SDR	5 x 8 mm, Pitch in mm
	(P): 8.00 Weidmueller, To
	customer specification

Connection sleeves



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VH 12/4.9/3.3 024900

General ordering data

Туре	Order No.	Version	GTIN (EAN)	Qty.
VH 19/5/3.5	0285100000	SAK Series, Connecting	400819018929	97 50 pc(s).
SAK4-16		sleeve, for cross-connectio	n	
		link, No. of poles: 1		

Q/SAK

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Туре	Order No.	Version	GTIN (EAN)	Qty.
Q 3 SAK6N	0456800000	SAK Series, Cross-	400819011027	7 50 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 3		
Q 4 SAK6N	0456900000	SAK Series, Cross-	400819003257	9 50 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 4		
Q 2 SAK6N	0456700000	SAK Series, Cross-	400819015004	450 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 2		
Q 10 SAK6N	0457000000	SAK Series, Cross-	400819015376	2 20 pc(s).
		connector, for cross-		



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Accessories

connection link, No. of poles: 10

Blank



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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

General ordering data

Туре	Order No.	Version	GTIN (EAN)	Qty.	
DEK 5/6.5 MC <u>1609840000</u>		Dekafix, Terminal marker, 5 4008190203429900 pc(s).			
NE WS		x 6.5 mm, Pitch in mm (P):			
		6.50 Weidmueller, White			

Blank



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 approaches.
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Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	1609801044	Dekafix, Terminal marker,	400819039711	1 1,000 pc(s).
NE WS		5 x 5 mm, Pitch in mm (P):		
		5.00 Weidmueller, White		



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General ordering data

Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 PLU	JS <u>1046350000</u>	Dekafix, Terminal marker,	403224878205	55 800 pc(s).
MC NE WS		5 x 8 mm, Pitch in mm (P):		
		8.00 Weidmueller, White		

Custom printing



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Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6 MC	<u>1609830000</u>	Dekafix, Terminal marker,	400819045660	3 200 pc(s).
SDR		5 x 6 mm, Pitch in mm		
		(P): 6.00 Weidmueller, To		
		customer specification		



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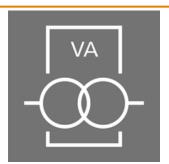
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Accessories

Test plug



Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Туре	Order No.	Version	GTIN (EAN) Qty.
PS 4 F.STB 4	0299600000	Accessories, Test plug	400819007404320 pc(s).

Custom printing



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Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6.5 M	1C <u>1609850000</u>	Dekafix, Terminal marker,	400819045661	0 180 pc(s).
SDR		5 x 6.5 mm, Pitch in mm		
		(P): 6.50 Weidmueller, To		
		customer specification		



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Accessories

QL / SAK 6N



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Туре	Order No.	Version	GTIN (EAN)	Qty.
QL 15 SAK6N	0221200000	SAK Series, Cross-	4008190042110	0 10 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 15		
QL 3 SAK6N	<u>0194400000</u>	SAK Series, Cross-	4008190063351	150 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 3		
QL 10 SAK6N	<u>0338300000</u>	SAK Series, Cross-	4008190176679	920 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 10		
QL 4 SAK6N	0194500000	SAK Series, Cross-	4008190025601	150 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 4		
QL 2 SAK6N	0194300000	SAK Series, Cross-	4008190182854	450 pc(s).
		connector, for cross-		
		connection link, No. of		
		poles: 2		



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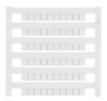
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General ordering data

Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	<u>1609810000</u>	Dekafix, Terminal marker,	400819045659	7 200 pc(s).
SDR		5 x 5 mm, Pitch in mm		
		(P): 5.00 Weidmueller, To		
		customer specification		

End plates



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Туре	Order No.	Version	GTIN (EAN)	Oty.
AP SAK4-10	<u>0117970000</u>	SAK Series, End plate, 1.5	400819004960	7 20 pc(s).
KRG/BL		mm, Blue, Direct mounting		
AP SAK4-10	<u>0117900000</u>	SAK Series, End plate, 1.5	4008190125059	9 20 pc(s).
RT		mm, Red, Direct mounting		
AP SAK4-10	<u>0117960000</u>	SAK Series, End plate, 1.5	400819008148	5 20 pc(s).
		mm, Beige, Direct mounting	g	
AP SAK4-10	0117980000	SAK Series, End plate, 1.5	400819017108	7 20 pc(s).
BL		mm, Blue, Direct mounting		
AP SAK4-10 I	<u>0117910000</u>	SAK Series, End plate, 1.5	400819018370	7 20 pc(s).
		mm, Light Grey, Direct		
		mounting		
AP SAK4-10	<u>0105100000</u>	SAK Series, End plate, 1.5	400819039487	5 20 pc(s).
DB		mm, Dark Beige, Direct		
		mounting		



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AP SAK4-10 <u>0117920000</u> KRG SAK Series, End plate, 1.5 400819013590420 pc(s).

mm, Dark Beige, Yellow,

Direct mounting

Blank



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Туре	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6 MC	<u>1609820000</u>	Dekafix, Terminal marker,	400819020343	6 1,000 pc(s).
NE WS		5 x 6 mm, Pitch in mm (P):		
		6.00 Weidmueller, White		

Small partition



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Туре	Order No.	Version	GTIN (EAN)	Qty.
TSCH 1	<u>0319160000</u>	SAK Series, Small partition	n, 400819009721	9 100 pc(s).
		Beige, 2 mm		



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Accessories

Locking tabs



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Туре	Order No.	Version	GTIN (EAN)	Qty.
VL 2	<u>0135900000</u>	SAK Series, Cross-	400819003640	09 50 pc(s).
SAK6/10/		connection lug, for cross-		
SAKB		connection link, No. of		
		poles: 2		