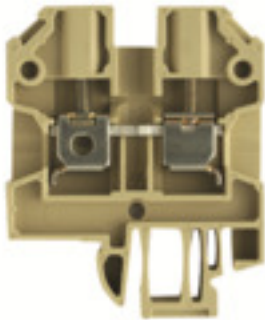


SAK Series
SAK 4

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

| | |
|------------|----------------------------------------------------------------------------------------------|
| Type | SAK 4 |
| Order No. | 0128360000 |
| Version | SAK Series, Feed-through terminal, Rated cross-section: 4 mm ² , Screw connection |
| GTIN (EAN) | 4008 190069346 |
| Qty. | 100 pc(s). |

SAK Series
SAK 4

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|--------|---------|-----------------|------------|
| Width | 6.5 mm | Width (inches) | 0.256 inch |
| Height | 40 mm | Height (inches) | 1.575 inch |
| Depth | 51.5 mm | Depth (inches) | 2.028 inch |
| Weight | 12.33 g | Net weight | 7.78 g |

Temperatures

| | | | |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|---------------|
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max. | 40 °C |
| Storage temperature, min. | 10 °C | Storage temperature | 10 °C...40 °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 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | KEMA97ATEX1798U | Certificate No. (IECEX) | IECEXKEM06.0014U |
| Max. voltage (ATEX) | 550 V | Current (ATEX) | 28 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 550 V |
| Current (IECEX) | 28 A | Wire cross section max. (IECEX) | 4 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | Ex eb II C Gb |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|-------------------------------------|-----------------------------------------------------------------------------|-------------------------------|-----|
| Version | Screw connection, for screwable cross-connection, 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 | Yes | Number of similar terminals | 1 |
| Open sides | right | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-129 | Current size C (CSA) | 36 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

SAK Series
SAK 4

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Conductors for clamping (additional connection)

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

Conductors for clamping (rated connection)

| | | | |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.13 mm ² | Clamping screw | M 3 |
| 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 | A4 |
| Number of connections | 2 | Stripping length | 12 mm |
| Tightening torque, max. | 0.5 Nm | Tightening torque, min. | 0.5 Nm |
| Torque level with DMS electric screwdriver | 2 | Twin wire-end ferrules, max. | 2.5 mm ² |
| Twin wire-end ferrules, min. | 0.5 mm ² | Type of connection | Screw connection |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 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. | 4 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 6 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Rating data

| | | | |
|---------------------------------------------|-------------------|----------------------------------------------|-------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated current | 32 A | Current at maximum wires | 41 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1 mΩ |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | Rated impulse withstand voltage | 8 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR) | 10 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | Current size C (UR) | 30 A |
| Voltage size C (UR) | 600 V | | |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| eClass 9.0 | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC | 30-21-18-11 |

Data sheet

**SAK Series
SAK 4**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | Attestation Of Conformity ATEX Certificate ATEX Certificate IECEX Certificate CB Certificate CB Test Certificate DE_PT1331_20160418_399_ISSUE01.pdf |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |
| User Documentation | Cross Connection Guide StorageConditionsTerminalBlocks |

Safety note

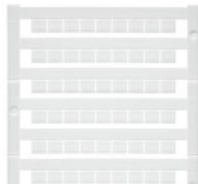
Safety notice [Safety Information](#)

SAK Series SAK 4

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

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). | | |

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

| | | | |
|------------|----------------------------|---------|------------------------|
| Type | PS 2.3 RT | Version | |
| Order No. | 0180400000 | | Accessories, Test plug |
| GTIN (EAN) | 4008190060121 | | |
| Qty. | 20 pc(s). | | |

SAK Series SAK 4

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

Non-insulated sockets



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

| | | |
|------------|---------------------------|--------------------|
| Type | STB 14/D5/2.3/M3 SAK2.5 | Version |
| Order No. | 016860000 | SAK Series, Socket |
| GTIN (EAN) | 4008190135225 | |
| Qty. | 50 pc(s). | |

Q / SAK



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

| | | |
|------------|---------------------------|-----------------------------------------------------------------------------|
| Type | Q 4 SAK4 | Version |
| Order No. | 033690000 | SAK Series, Cross-connector, for cross-connection link, Number of poles: 4 |
| GTIN (EAN) | 4008190036201 | |
| Qty. | 50 pc(s). | |
| Type | Q 10 SAK4 | Version |
| Order No. | 036880000 | SAK Series, Cross-connector, for cross-connection link, Number of poles: 10 |
| GTIN (EAN) | 4008190049478 | |
| Qty. | 20 pc(s). | |
| Type | Q 2 SAK4 | Version |
| Order No. | 033670000 | SAK Series, Cross-connector, for cross-connection link, Number of poles: 2 |
| GTIN (EAN) | 4008190033842 | |
| Qty. | 50 pc(s). | |
| Type | Q 3 SAK4 | Version |
| Order No. | 033680000 | SAK Series, Cross-connector, for cross-connection link, Number of poles: 3 |
| GTIN (EAN) | 4008190089795 | |
| Qty. | 50 pc(s). | |

**SAK Series
SAK 4**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories
Small partition

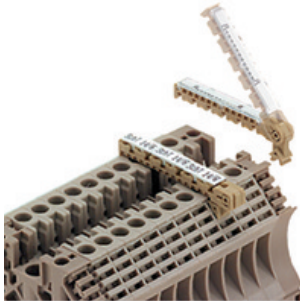
Klippon® Connect with clamping yoke Technology

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

| Type | TSCH 2 | Version |
|------------|----------------------------|--------------------------------------------|
| Order No. | 0353660000 | SAK Series, Small partition, beige, 0.6 mm |
| GTIN (EAN) | 4008190128432 | |
| Qty. | 100 pc(s). | |

| Type | TSCH 1 | Version |
|------------|----------------------------|------------------------------------------|
| Order No. | 0319160000 | SAK Series, Small partition, beige, 2 mm |
| GTIN (EAN) | 4008190097219 | |
| Qty. | 100 pc(s). | |

SchT group marker carrier


The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

SchT 9/4 and SchT 14/6 are hinged group tag carriers for single dekafix and WS tags that enable easy access to the clamping screw.

SchT 9/4 and SchT 14/6 are fitted with WS or DEK.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

| Type | SCHT 7 | Version |
|------------|----------------------------|-----------------------------------------------------------|
| Order No. | 0517960000 | SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00 |
| GTIN (EAN) | 4008190001742 | Weidmueller, white |
| Qty. | 20 pc(s). | |

SAK Series SAK 4

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

End plates



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

| | | |
|------------|----------------------------|------------------------------------------------------------|
| Type | AP SAK4-10 I | Version |
| Order No. | 0117910000 | SAK Series, End plate, 1.5 mm, Light Grey, Direct mounting |
| GTIN (EAN) | 4008190183707 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 | Version |
| Order No. | 0117960000 | SAK Series, End plate, 1.5 mm, beige, Direct mounting |
| GTIN (EAN) | 4008190081485 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 RT | Version |
| Order No. | 0117900000 | SAK Series, End plate, 1.5 mm, red, Direct mounting |
| GTIN (EAN) | 4008190125059 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 DB | Version |
| Order No. | 0105100000 | SAK Series, End plate, 1.5 mm, dark beige, Direct mounting |
| GTIN (EAN) | 4008190394875 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 BL | Version |
| Order No. | 0117980000 | SAK Series, End plate, 1.5 mm, blue, Direct mounting |
| GTIN (EAN) | 4008190171087 | |
| Qty. | 20 pc(s). | |

Test adapter



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

| | | |
|------------|----------------------------|--------------------------|
| Type | STA 1/ZA SAK4-10 | Version |
| Order No. | 1632450000 | SAK Series, Test adapter |
| GTIN (EAN) | 4008190209636 | |
| Qty. | 25 pc(s). | |

**SAK Series
SAK 4**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

Covers



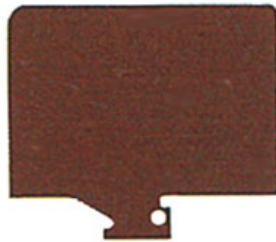
Klippon® Connect with clamping yoke Technology

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

| | | |
|------------|---------------------------|------------------------------------------|
| Type | AD 4 SAK4 | Version |
| Order No. | 028530000 | SAK Series, cover plate, yellow, 25.6 mm |
| GTIN (EAN) | 4008190072902 | |
| Qty. | 50 pc(s). | |

Partition plates



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

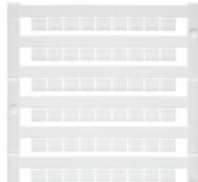
| | | |
|------------|----------------------------|--------------------------------------------------------------------------|
| Type | TW SAK4-10 HP/DBR/0.5 | Version |
| Order No. | 0197100000 | SAK Series, Seperation plate, 0.5 mm, brown, dark beige, Direct mounting |
| GTIN (EAN) | 4008190146627 | |
| Qty. | 20 pc(s). | |
| Type | TW 4 SAK4-10 | Version |
| Order No. | 0130160000 | SAK Series, Seperation plate, 1.5 mm, beige |
| GTIN (EAN) | 4008190096335 | |
| Qty. | 20 pc(s). | |
| Type | TW 4 SAK4-10 BL | Version |
| Order No. | 0130180000 | SAK Series, Seperation plate, 1.5 mm, blue |
| GTIN (EAN) | 4008190114138 | |
| Qty. | 20 pc(s). | |

SAK Series SAK 4

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

Custom printing



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 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). | | |

Screwing



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

| | | | |
|------------|----------------------------|--------------------------------------------------------|--|
| Type | BFSC M3X25 | Version | |
| Order No. | 0292500000 | Accessories, Mounting screw, for cross-connection link | |
| GTIN (EAN) | 4008190177027 | | |
| Qty. | 100 pc(s). | | |

**SAK Series
SAK 4**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

Connection sleeves



VH 12/4.9/3.3 024900

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

| | | |
|------------|----------------------------|---------------------------------------------------------------------|
| Type | VH 13.5/4.9/3.3 SAK4 | Version |
| Order No. | 0248500000 | SAK Series, Connecting sleeve, for cross-connection link, Number of |
| GTIN (EAN) | 4008190022723 | poles: 1 |
| Qty. | 100 pc(s). | |
| Type | VH 19/5/3.5 SAK4-16 | Version |
| Order No. | 0285100000 | SAK Series, Connecting sleeve, for cross-connection link, Number of |
| GTIN (EAN) | 4008190189297 | poles: 1 |
| Qty. | 50 pc(s). | |

Locking tabs



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

| | | |
|------------|----------------------------|---------------------------------------------------------------------|
| Type | VL 2 SAK4 | Version |
| Order No. | 0197000000 | SAK Series, Cross-connection lug, for cross-connection link, Number |
| GTIN (EAN) | 4008190000271 | of poles: 2 |
| Qty. | 50 pc(s). | |