

SAKK 4 KER/WS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

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, 4 mm ² , 800 V, 32 A, Number of connections: 2 |
| Order No. | 1598080000 |
| Type | SAKK 4 KER/WS |
| GTIN (EAN) | 4008190020729 |
| Qty. | 25 pc(s). |

SAKK 4 KER/WS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 53 mm | Depth (inches) | 2.087 inch |
| Height | 40 mm | Height (inches) | 1.575 inch |
| Width | 8 mm | Width (inches) | 0.315 inch |
| Net weight | 31.56 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. | -60 °C | Continuous operating temp., max. | 250 °C |

Material data

| | | | |
|---------------------------|----------|--------|-------|
| Material | Ceramic | Colour | white |
| UL 94 flammability rating | V-0, 5VB | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|-------------------|
| Certificate No. (ATEX) | TUEV18ATEX8208U | Certificate No. (IECEX) | IECEXTUR18.0018U |
| Max. voltage (ATEX) | 440 V | Current (ATEX) | 32 A |
| Wire cross section max. (ATEX) | 6 mm ² | Max. voltage (IECEX) | 440 V |
| Current (IECEX) | 32 A | Wire cross section max. (IECEX) | 6 mm ² |
| 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, 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 | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-290 | 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 | | |

SAKK 4 KER/WS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.33 mm ² | Clamping screw | M 3 |
| Connection direction | on side | Gauge to IEC 60947-1 | A4 |
| Number of connections | 2 | Stripping length | 10 mm |
| Tightening torque, max. | 0.5 Nm | Tightening torque, min. | 0.5 Nm |
| Torque level with DMS electric screw-driver | 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 22 |
| Wire connection cross section, finely stranded, max. | 4 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. | 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, solid core, max. | 6 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

General

| | | | |
|---|-----------------|---|--------|
| Installation advice | Direct mounting | Rail | TS 32 |
| Standards | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 10 |
| Wire connection cross section AWG, min. | AWG 22 | | |

Rating data

| | | | |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated DC 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 | Rated impulse withstand voltage | 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) | 26 AWG | Current size C (UR) | 30 A |
| Voltage size C (UR) | 600 V | | |

SAKK 4 KER/WS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-01 |

Approvals

Approvals



| | |
|---------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |
| Certificate No. (cURusEX) | E184763 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation Of Conformity ATEX Certificate IECEx Certificate CB Certificate CB Test Certificate CCC Ex Certificate Declaration of Conformity UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Product Change Notification | PCN_SAKK_20190405 |
| User Documentation | NTI SAKK 4 StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

SAKK 4 KER/WS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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 5/5 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). | |

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). | |

SAKK 4 KER/WS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

QL / SAKK 4



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | QL 2 SAKK4 | Version |
| Order No. | 9502540000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190550530 | Pitch in mm (P): 8.00, Insulated: No, 32 A, grey |
| Qty. | 100 pc(s). | |
| Type | QL 4 SAKK4 | Version |
| Order No. | 9502560000 | Cross-connector (terminal), when screwed in, Number of poles: 4, |
| GTIN (EAN) | 4008190550554 | Pitch in mm (P): 8.00, Insulated: No, 32 A, grey |
| Qty. | 50 pc(s). | |

QL mounting screws



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

| | | |
|------------|----------------------------|--------------------------------------|
| Type | KISC M3X20.5/10 EK4 | Version |
| Order No. | 0303000000 | Clamping yoke, Mounting screw, Steel |
| GTIN (EAN) | 4008190163686 | |
| Qty. | 100 pc(s). | |

SAKK 4 KER/WS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****TS 32**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 | MEW 1/32 | Version |
| Order No. | 0445600000 | End bracket, Steel, grey, Rail: TS 32, when screwed in |
| GTIN (EAN) | 4008190178093 | |
| Qty. | 20 pc(s). | |

Connection sleeves**General ordering data**

| | | |
|------------|----------------------------|---|
| Type | VH 13.5/4.9/3.3 NI | Version |
| Order No. | 9502580000 | Connecting sleeve (terminal), Depth: 13.5 mm, Cu Zn |
| GTIN (EAN) | 4008190550578 | |
| Qty. | 100 pc(s). | |

SAKK 4 KER/WS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

SAK-Series



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 SAKK4/10 KER/WS | Version |
| Order No. | 9502630000 | End plate (terminals), 40 mm x 3 mm, white |
| GTIN (EAN) | 4008190047290 | |
| Qty. | 10 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.

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). | |

SAKK 4 KER/WS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

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

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 5/5 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 pc(s). | |

SAKK 4 KER/WS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****Plus**

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 PLUS MC NE GE | Version |
| Order No. | 1364020000 | Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50 |
| GTIN (EAN) | 4050118166057 | Weidmueller, yellow |
| Qty. | 900 pc(s). | |
| Type | DEK 5/6.5 PLUS MC NE WS | Version |
| Order No. | 1046340000 | Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50 |
| GTIN (EAN) | 4032248782048 | Weidmueller, white |
| Qty. | 900 pc(s). | |

SAKK 4 KER/WS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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). | |
| Type | DEK 5/6.5 PLUS MC SDR | Version |
| Order No. | 1046360000 | Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50 |
| GTIN (EAN) | 4032248782062 | Weidmueller, To customer specification |
| Qty. | 180 pc(s). | |