

SAKC 4/35 DB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

General ordering data

| | |
|------------|--|
| Version | Test-disconnect terminal, Screw connection, 4 mm ² , 400 V, 25 A, pluggable, Cross-disconnect: without, Integral test socket: No, TS 35, dark beige |
| Order No. | 0357560000 |
| Type | SAKC 4/35 DB |
| GTIN (EAN) | 4008190348359 |
| Qty. | 100 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 59.5 mm | Depth (inches) | 2.343 inch |
| Height | 6.5 mm | Height (inches) | 0.256 inch |
| Width | 6.5 mm | Width (inches) | 0.256 inch |
| Net weight | 19.13 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C | | |

Material data

| | | | |
|---------------------------|----------|--------|------------|
| Material | KrG | Colour | dark beige |
| UL 94 flammability rating | V-0, 5VA | | |

System specifications

| | | | |
|-------------------------------------|--|-------------------------------|-----|
| Version | Screw connection, Spacer, 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 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|--------------------------|-------|---------------------|-----------------|
| Explosion-tested version | No | Installation advice | Direct mounting |
| Open sides | right | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-190 | Current size C (CSA) | 25 A |
| Voltage size C (CSA) | 300 V | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 22 AWG | | |

Conductors for clamping (additional connection)

| | | | |
|---|-------------------|--|------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 4 mm ² | Connection type, additional connection | Screw connection |
|---|-------------------|--|------------------|

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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 cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| 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 |
| Torque level with DMS electric screw-driver | 2 | Type of connection | Screw connection |
| Type of connection 2 | 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 | | |

Disconnect terminals

| | | | |
|------------------|-----------|----------------------|----|
| Cross-disconnect | without | Integral test socket | No |
| Slitting | pluggable | | |

General

| | | | |
|---|-----------------|---|--------|
| Installation advice | Direct mounting | Rail | TS 35 |
| 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 | 400 V |
| Rated DC voltage | 400 V | Rated current | 25 A |
| Current at maximum wires | 25 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Rated impulse withstand voltage | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | Pollution severity | 3 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000902 | ETIM 7.0 | EC000902 |
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ECLASS 9.0 | 27-14-11-26 | ECLASS 9.1 | 27-14-11-26 |
| ECLASS 10.0 | 27-14-11-26 | ECLASS 11.0 | 27-14-11-26 |
| ECLASS 12.0 | 27-14-11-26 | ECLASS 13.0 | 27-25-01-09 |

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Technical data

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 999cd67e-471e-4085-8dba-1342fcea86de |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|--------------------|--|
| Engineering Data | CAD data – STEP |
| User Documentation | Beipackzettel_SAKC_SAKA.pdf StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

SAKC 4/35 DB**Weidmüller Interface GmbH & Co. KG**

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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 SAK4-10 KRG | Version |
| Order No. | 0117920000 | End plate (terminals), 40 mm x 1.5 mm, dark beige, yellow |
| GTIN (EAN) | 4008190135904 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 DB | Version |
| Order No. | 0105100000 | End plate (terminals), 40 mm x 1.5 mm, dark beige |
| GTIN (EAN) | 4008190394875 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 I | Version |
| Order No. | 0117910000 | End plate (terminals), 40 mm x 1.5 mm, Light Grey |
| GTIN (EAN) | 4008190183707 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 BL | Version |
| Order No. | 0117980000 | End plate (terminals), 40 mm x 1.5 mm, blue |
| GTIN (EAN) | 4008190171087 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 RT | Version |
| Order No. | 0117900000 | End plate (terminals), 40 mm x 1.5 mm, red |
| GTIN (EAN) | 4008190125059 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 KRG/BL | Version |
| Order No. | 0117970000 | End plate (terminals), 40 mm x 1.5 mm, blue |
| GTIN (EAN) | 4008190049607 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK4-10 | Version |
| Order No. | 0117960000 | End plate (terminals), 40 mm x 1.5 mm, beige |
| GTIN (EAN) | 4008190081485 | |
| Qty. | 20 pc(s). | |

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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 plugs



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | |
|------------|----------------------------|---------------------------------------|
| Type | PS 2.3 RT | Version |
| Order No. | 0180400000 | Test adapter (terminal), 230 V, 20 mA |
| GTIN (EAN) | 4008190060121 | |
| Qty. | 20 pc(s). | |

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Accessories

SAK-Series

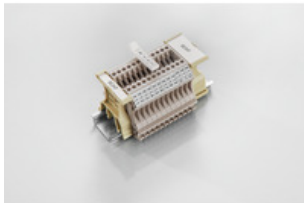
SAK
Series

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 4 SAK4-10 | Version |
| Order No. | 0130160000 | Partition plate (terminal), Intermediate plate, 50 mm x 44 mm, beige |
| GTIN (EAN) | 4008190096335 | |
| Qty. | 20 pc(s). | |
| Type | TW 4 SAK4-10 BL | Version |
| Order No. | 0130180000 | Partition plate (terminal), Intermediate plate, 50 mm x 44 mm, blue |
| GTIN (EAN) | 4008190114138 | |
| Qty. | 20 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). | |

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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). | |

QB RA



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 | QB 2 WI RA6 IS | Version |
| Order No. | 0482700000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190166021 | Pitch in mm (P): 6.00, Insulated: Yes, 27 A, grey |
| Qty. | 50 pc(s). | |
| Type | QB 4 WI RA6 IS | Version |
| Order No. | 0482900000 | Cross-connector (terminal), when screwed in, Number of poles: 4, |
| GTIN (EAN) | 4008190086169 | Pitch in mm (P): 6.00, Insulated: Yes, 27 A, grey |
| Qty. | 50 pc(s). | |
| Type | QB 3 WI RA6 IS | Version |
| Order No. | 0482800000 | Cross-connector (terminal), when screwed in, Number of poles: 3, |
| GTIN (EAN) | 4008190145217 | Pitch in mm (P): 6.00, Insulated: Yes, 27 A, grey |
| Qty. | 50 pc(s). | |

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Accessories

Custom printing



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- 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). | |