

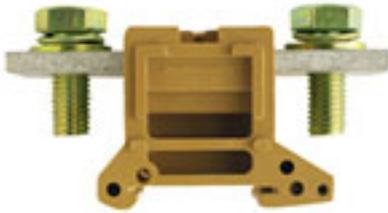
SAKG 46/35 II/GW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

General ordering data

| | |
|------------|--|
| Version | Feed-through terminal block, Screw connection, medium yellow, 150 mm ² , 309 A, 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, 5VA, KrG, 130 °C |
| Order No. | 0638020000 |
| Type | SAKG 46/35 II/GW |
| GTIN (EAN) | 4008190008161 |
| Qty. | 5 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Depth | 57 mm | Depth (inches) | 2.244 inch |
| Height | 106 mm | Height (inches) | 4.173 inch |
| Width | 46 mm | Width (inches) | 1.811 inch |
| Net weight | 339 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 | medium yellow |
| UL 94 flammability rating | V-0, 5VA | | |

System specifications

| | | | |
|-------------------------------------|---------------|-------------------------------|-----|
| Version | Stud terminal | 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 |
| Number of similar terminals | 1 | Open sides | Open |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-----------------------|-----------|-------------------------------|-----------|
| Certificate No. (CSA) | 12400-199 | Current size C (CSA) | 365 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 300 kcmil |

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|--------------------|
| Clamping range, max. | 185 mm ² | Clamping range, min. | 10 mm ² |
| Clamping screw | M 12 | Connection direction | on side |
| Number of connections | 2 | Tightening torque, max. | 31 Nm |
| Tightening torque, min. | 14 Nm | Type of connection | Screw connection |
| Wire connection cross section AWG, max. | kcmil 300 | Wire connection cross section AWG, min. | AWG 4/0 |
| Wire connection cross-section, solid core, max. | 16 mm ² | Wire connection cross-section, solid core, min. | 10 mm ² |

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Technical data**General**

| | | | |
|---|-----------------|---|-----------|
| Installation advice | Direct mounting | Rail | TS 35 |
| Standards | IEC 60947-7-1 | Wire connection cross section AWG, max. | kcmil 300 |
| Wire connection cross section AWG, min. | AWG 4/0 | | |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 150 mm ² | Rated voltage | 1,000 V |
| Rated DC voltage | 1,000 V | Rated current | 309 A |
| Current at maximum wires | 353 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.1 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 9.89 W | Pollution severity | 3 |

UL rating data

| | | | |
|---|----------|---|-----------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 300 kcmil |
| Conductor size Factory wiring min. (UR) | 0000 AWG | Conductor size Field wiring max. (UR) | 300 kcmil |
| Conductor size Field wiring min. (UR) | 0000 AWG | Current size C (UR) | 285 A |
| Voltage size C (UR) | 600 V | | |

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 |
| ECLASS 14.0 | 27-25-01-01 | | |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 999cd67e-471e-4085-8dba-1342fcea86de |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |

Approvals

Approvals



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

Data sheet

SAKG 46/35 II/GW

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Technical data

Downloads

| | |
|--|---|
| Approval/Certificate/Document of Con- formity | Declaration of Conformity UKCA declaration of conformity |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

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Accessories

DEK 5/5

**WS/ DEK**

MultiMark terminal 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

- 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 flexibility thanks to manufacturer independence

General ordering data

| | | | |
|------------|----------------------------|---------|--|
| Type | DEK 5/5 MM WS | Version | |
| Order No. | 2007110000 | | Dekafix, Terminal marker, 5 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118391862 | | |
| Qty. | 800 pc(s). | | |

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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 5/5 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). | |
| Type | DEK 5/5 S MC SDR | Version |
| Order No. | 1341590000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118146042 | Weidmueller, To customer specification |
| Qty. | 80 pc(s). | |
| Type | DEK 5/5 PLUS MC SDR | Version |
| Order No. | 1854500000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248393602 | Weidmueller, To customer specification |
| Qty. | 200 pc(s). | |

QL / SAKG



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 SAKG46 | Version |
| Order No. | 0247000000 | Cross-connector (terminal), when screwed in, grey, 309 A, Number of |
| GTIN (EAN) | 4008190160210 | poles: 2, Pitch in mm (P): 46.00, Insulated: No, Width: 78 mm |
| Qty. | 5 pc(s). | |

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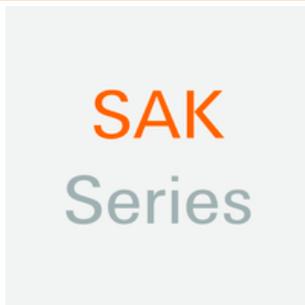
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Accessories

| | | |
|------------|----------------------------|---|
| Type | QL 4 SAKG46 | Version |
| Order No. | 0444500000 | Cross-connector, Number of poles: 4 |
| GTIN (EAN) | 4008190187057 | |
| Qty. | 5 pc(s). | |
| Type | QL 3 SAKG46 | Version |
| Order No. | 0444400000 | Cross-connector (terminal), when screwed in, grey, 309 A, Number of |
| GTIN (EAN) | 4008190159252 | poles: 3, Pitch in mm (P): 46.00, Insulated: No, Width: 124 mm |
| Qty. | 5 pc(s). | |

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 SAKG46 HP/TF/GE/2 | Version |
| Order No. | 0179900000 | Partition plate (terminal), yellow, Height: 160 mm, Width: 2 mm, V-2, |
| GTIN (EAN) | 4008190107833 | PA 66 |
| Qty. | 10 pc(s). | |
| Type | TW SAKG46 HP/DBR/2 | Version |
| Order No. | 0177100000 | Partition plate (terminal), dark brown, Height: 160 mm, Width: 2 mm, |
| GTIN (EAN) | 4008190129699 | V-2, PA 66 |
| Qty. | 10 pc(s). | |

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Accessories

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

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). | |
| Type | DEK 5/5 MC NE SW | Version |
| Order No. | 1457550000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118263817 | Weidmueller, black |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 MC NE VI | Version |
| Order No. | 1249860000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118042764 | Weidmueller, violet |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 MC NE BL | Version |
| Order No. | 1609801693 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397166 | Weidmueller, blue |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 MC NE GE | Version |
| Order No. | 1609801687 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397135 | Weidmueller, yellow |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 MC NE OR | Version |
| Order No. | 1238340000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118062632 | Weidmueller, orange |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 MC NE GN | Version |
| Order No. | 1609801688 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397142 | Weidmueller, green |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 MC NE BR | Version |
| Order No. | 1249870000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118051865 | Weidmueller, brown |
| Qty. | 1,000 pc(s). | |

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Accessories

| | | |
|------------|----------------------------|---|
| Type | DEK 5/5 MC NE GR | Version |
| Order No. | 1609801691 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397159 | Weidmueller, grey |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 MC NE RT | Version |
| Order No. | 1609801686 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397128 | Weidmueller, red |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 S MC NE WS | Version |
| Order No. | 1341620000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118145793 | Weidmueller, white |
| Qty. | 400 pc(s). | |

Plus



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General ordering data

| | | |
|------------|----------------------------|---|
| Type | DEK 5/5 PLUS MC NE GE | Version |
| Order No. | 1907520000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248532100 | Weidmueller, yellow |
| Qty. | 1,000 pc(s). | |
| Type | DEK 5/5 PLUS MC NE WS | Version |
| Order No. | 1854490000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248393596 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

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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 | EP 2 SAKG46/32 HP/TF/GE | Version |
| Order No. | 0205400000 | End and partition plate for terminals, yellow, Height: 160 mm, Width: |
| GTIN (EAN) | 4008190027223 | 2 mm, V-2, PA 66 |
| Qty. | 10 pc(s). | |
| Type | EP 2 SAKG46/35 HP/TF/GE | Version |
| Order No. | 0180800000 | End and partition plate for terminals, yellow, Height: 160 mm, Width: |
| GTIN (EAN) | 4008190006938 | 2 mm, V-2, PA 66 |
| Qty. | 10 pc(s). | |
| Type | EP 2 SAKG46/35 HP/DBR | Version |
| Order No. | 0180700000 | End and partition plate for terminals, dark brown, Height: 160 mm, |
| GTIN (EAN) | 4008190099671 | Width: 2 mm, V-2, PA 66 |
| Qty. | 10 pc(s). | |

Protective covers



Protective covers or protective caps are attached to the respective connection area of the terminal blocks. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | AH 46 SAKG46 | Version |
| Order No. | 0326960000 | Terminal cover, beige, PA 66, Height: 196 mm, Width: 46 mm, Depth: |
| GTIN (EAN) | 4008190174712 | 78 mm, V-2 |
| Qty. | 5 pc(s). | |

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Accessories

V0



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- Terminal markers, suitable for all Weidmüller cable connectors
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General ordering data

| | | |
|------------|----------------------------|---|
| Type | DEK 5/5 MC NE V0 WS | Version |
| Order No. | 1388530000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118188622 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

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). | |

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Accessories

DEK 5/8



WS/ DEK

MultiMark terminal 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

- 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 flexibility thanks to manufacturer independence

General ordering data

| | | | |
|------------|----------------------------|---------|--|
| Type | DEK 5/8 MM WS | Version | |
| Order No. | 2007130000 | | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392012 | | |
| Qty. | 500 pc(s). | | |