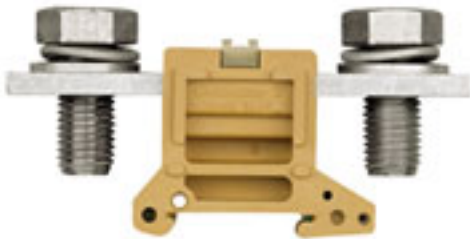


**SAK Series**  
**SAKG 54/35 II****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Klippon® Connect with clamping yoke Technology**

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

**General ordering data**

|            |  |
|------------|--|
| Type       | SAKG 54/35 II  |
| Order No.  | <a href="#">0638120000</a>   |
| Version    | SAK Series, Feed-through terminal, Rated cross-section: 240 mm <sup>2</sup> , Screw connection, Medium Yellow, Direct mounting |
| GTIN (EAN) | 4008190068646  |
| Qty.       | 5 pc(s).   |

**SAK Series**  
**SAKG 54/35 II**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 54 mm   | Width (inches)  | 2.126 inch |
| Height     | 122 mm  | Height (inches) | 4.803 inch |
| Depth      | 60.5 mm | Depth (inches)  | 2.382 inch |
| Net weight | 595 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 |        |               |

**System specifications**

|                                   |               |  |            |
|-----------------------------------|---------------|--|------------|
| Version                           | Stud terminal | Tightening torque (clamping screw for copper conductors) | 25...60 Nm |
| End cover plate required          | Yes           | 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 35         |  |            |

**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)          | 600 A     |
| Voltage size C (CSA)          | 600 V     | Wire cross section max. (CSA) | 500 kcmil |
| Wire cross section min. (CSA) | 300 kcmil |                               |           |

**Conductors for clamping (rated connection)**

|   |                     |   |                    |
|---|---------------------|---|--------------------|
| Clamping range, max.                    | 240 mm <sup>2</sup> | Clamping range, min.                    | 10 mm <sup>2</sup> |
| Clamping screw                          | M 16                | Connection direction                    | on side            |
| Number of connections                   | 1                   | Tightening torque, max.                 | 60 Nm              |
| Tightening torque, min.                 | 25 Nm               | Type of connection                      | Screw connection   |
| Wire connection cross section AWG, max. | kcmil 500           | Wire connection cross section AWG, min. | kcmil 300          |

**Rating data**

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 240 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Rated current                   | 415 A               | Current at maximum wires                     | 415 A   |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 0.08 mΩ |
| Rated impulse withstand voltage | 8 kV                | Pollution severity                           | 3       |

**SAK Series**  
**SAKG 54/35 II**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data****UL rating data**

|   |           |   |           |
|---|-----------|---|-----------|
| Certificate No. (UR)                    | E60693    | Conductor size Factory wiring max. (UR) | 500 kcmil |
| Conductor size Factory wiring min. (UR) | 300 kcmil | Conductor size Field wiring max. (UR)   | 500 kcmil |
| Conductor size Field wiring min. (UR)   | 300 kcmil | Current size C (UR)                     | 380 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 | 27-14-11-31 |
| 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 technical data      Conductor connection with cable lugs acc. to DIN 46234 and DIN 46235 from 70 .. 240 mm<sup>2</sup>

**Approvals**

Approvals



ROHS      Conform

**Downloads**

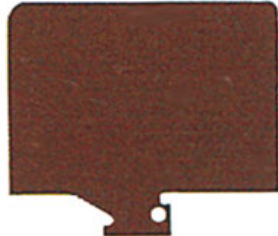
Approval/Certificate/Document of Conformity      [DE\\_PT1314\\_20160418\\_531\\_ISSUE01.pdf](#)  
 Engineering Data      [EPLAN.WSCAD](#)

**Safety note**

Safety notice      [Safety Information](#)

**SAK Series  
SAKG 54/35 II**

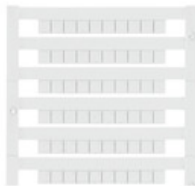
**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Accessories**
**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                    | Order No.                  | Version                                       | GTIN (EAN)    | Qty.      |
|-------------------------|----------------------------|---|---------------|-----------|
| TW SAKG46<br>HP/TF/GE/2 | <a href="#">0179900000</a> | SAK Series, Separation<br>plate, Yellow, 2 mm | 4008190107833 | 10 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

**General ordering data**

| Type                  | Order No.                  | Version   | GTIN (EAN)    | Qty.         |
|-----------------------|----------------------------|---|---------------|--------------|
| DEK 5/5 S MC<br>NE WS | <a href="#">1341620000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, White  | 4050118145793 | 400 pc(s).   |
| DEK 5/5 MC<br>NE BL   | <a href="#">1609801693</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Blue   | 4008190397166 | 1,000 pc(s). |
| DEK 5/5 MC<br>NE OR   | <a href="#">1238340000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Orange | 4050118062632 | 1,000 pc(s). |
| DEK 5/5 MC<br>NE SW   | <a href="#">1457550000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Black  | 4050118263817 | 1,000 pc(s). |
| DEK 5/5 MC<br>NE GR   | <a href="#">1609801691</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Grey   | 4008190397159 | 1,000 pc(s). |
| DEK 5/5 MC<br>NE RT   | <a href="#">1609801686</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Red    | 4008190397128 | 1,000 pc(s). |

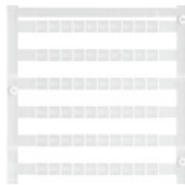
## SAK Series SAKG 54/35 II

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Accessories

|  |   |                            |
|--|---|----------------------------|
| DEK 5/5 MC <a href="#">1609801687</a><br>NE GE | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Yellow | 4008190397135 1,000 pc(s). |
| DEK 5/5 MC <a href="#">1249860000</a><br>NE VI | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Violet | 4050118042764 1,000 pc(s). |
| DEK 5/5 MC <a href="#">1609801688</a><br>NE GN | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Green  | 4008190397142 1,000 pc(s). |
| DEK 5/5 MC <a href="#">1609801044</a><br>NE WS | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, White  | 4008190397111 1,000 pc(s). |
| DEK 5/5 MC <a href="#">1249870000</a><br>NE BR | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Brown  | 4050118051865 1,000 pc(s). |

## 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

## General ordering data

| Type                     | Order No.                  | Version   | GTIN (EAN)    | Qty.         |
|--------------------------|----------------------------|---|---------------|--------------|
| DEK 5/5 PLUS<br>MC NE GE | <a href="#">1907520000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, Yellow | 4032248532100 | 1,000 pc(s). |
| DEK 5/5 PLUS<br>MC NE WS | <a href="#">1854490000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, White  | 4032248393596 | 1,000 pc(s). |

## SAK Series SAKG 54/35 II

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 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

## General ordering data

| Type                   | Order No.                  | Version   | GTIN (EAN)    | Qty.       |
|------------------------|----------------------------|---|---------------|------------|
| DEK 5/5 PLUS<br>MC SDR | <a href="#">1854500000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm<br>(P): 5.00 Weidmueller, To<br>customer specification | 4032248393602 | 200 pc(s). |
| DEK 5/5 MC<br>SDR      | <a href="#">1609810000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm<br>(P): 5.00 Weidmueller, To<br>customer specification | 4008190456597 | 200 pc(s). |
| DEK 5/5 S MC<br>SDR    | <a href="#">1341590000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm<br>(P): 5.00 Weidmueller, To<br>customer specification | 4050118146042 | 80 pc(s).  |

**SAK Series  
SAKG 54/35 II**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Accessories**

**DEK 5/5**



**WS/ DEK**

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.

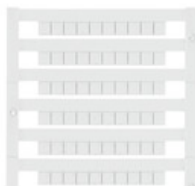
**Your benefits with MultiMark**

- Compatible with Weidmüller modular 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 manufacturer-independence

**General ordering data**

| Type             | Order No.                  | Version  | GTIN (EAN)       | Qty.   |
|------------------|----------------------------|--|------------------|--------|
| DEK 5/5 MM<br>WS | <a href="#">2007110000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Weidmueller,<br>White | 4050118391862800 | pc(s). |

**V0**



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

**General ordering data**

| Type                   | Order No.                  | Version  | GTIN (EAN)                 | Qty.   |
|------------------------|----------------------------|--|----------------------------|--|
| DEK 5/5 MC<br>NE V0 WS | <a href="#">1388530000</a> | Dekafix, Terminal marker,<br>5 x 5 mm, Pitch in mm (P):<br>5.00 Weidmueller, White | 4050118188622              | 1,000 pc(s).   |
| Discontinued           | 2014-05-20T00:00:00+02:00  | DEK 5/5 MC V0 SDR  | <a href="#">1388520000</a> | Dekafix, Terminal marker, x 5 mm, 4050118188721 1,000 pc(s). |

**Data sheet**

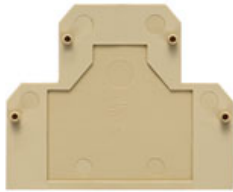
**SAK Series  
SAKG 54/35 II**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Accessories**

Pitch in mm (P):  
 5.00 Weidmueller,  
 To customer  
 specification

**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                          | Order No.                  | Version                                | GTIN (EAN)    | Qty.      |
|-------------------------------|----------------------------|--|---------------|-----------|
| EP 2<br>SAKG46/32<br>HP/TF/GE | <a href="#">0205400000</a> | SAK Series, End plate,<br>Yellow, 2 mm | 4008190027223 | 10 pc(s). |