

SAKDK 2.5**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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

| | |
|------------|----------------------------|
| Order No. | 2696970000 |
| Type | SAKDK 2.5 |
| GTIN (EAN) | 4050118868944 |
| Qty. | 100 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|------------|---------|
| Depth including DIN rail | 61.5 mm | Height | 61.5 mm |
| Height (inches) | 2.421 inch | Width | 5.5 mm |
| Width (inches) | 0.217 inch | Net weight | 12.5 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C | | |

Material data

| | | | |
|---------------------------|---------|--------|------|
| Material | PA 66/6 | Colour | grey |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------|-------|-------------------------------------|----|
| End cover plate required | Yes | Number of potentials | 2 |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| Rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|--------------------------|-----|------------------|---------|
| Explosion-tested version | Yes | Type of mounting | Snap-on |
|--------------------------|-----|------------------|---------|

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|---------------------|
| Clamping screw | M 2.5 | 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 | A3 | Number of connections | 4 |
| Stripping length | 8 mm | Tightening torque, max. | 0.6 Nm |
| Tightening torque, min. | 0.5 Nm | Type of connection | Screw connection |
| Wire connection cross section, finely stranded, max. | 2.5 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. | 2.5 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. | 2.5 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. | 4 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

General

| | |
|------|-------|
| Rail | TS 35 |
|------|-------|

Rating data

| | | | |
|--|---------------------|---------------------------------|-------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Rated current | 24 A |
| Volume resistance according to IEC 60947-7-x | 2.66 mΩ | Rated impulse withstand voltage | 6 kV |
| Pollution severity | 3 | | |

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Technical data

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 20 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 20 AWG | Current size C (cURus) | 15 A |
| Voltage size C (cURus) | 300 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 | 27250102 |

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CE Declaration of Conformity UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Accessories

Dekafix



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.

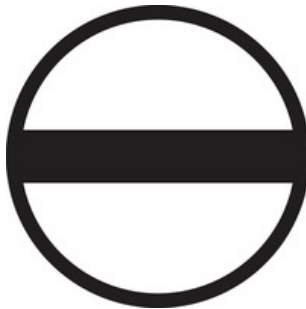
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 5/5.5 PLUS MC NE | Version | |
| Order No. | 1125030000 | Dekafix, Terminal marker, 5 x 5.5 mm, Pitch in mm (P): 5.50 | |
| GTIN (EAN) | 4032248956777 | Weidmueller, white | |
| Qty. | 1,000 pc(s). | | |

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

| | | | |
|------------|----------------------------|--------------------------|--|
| Type | SDS 0.6X3.5X100 | Version | |
| Order No. | 9008330000 | Screwdriver, Screwdriver | |
| GTIN (EAN) | 4032248056286 | | |
| Qty. | 1 pc(s). | | |

Data sheet

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Accessories

End bracket



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 | SAKEW 35/2 |
| Order No. | 2085410000 |
| GTIN (EAN) | 4050118459517 |
| Qty. | 50 pc(s). |

BLM

General ordering data

| | | |
|------------|----------------------------|---|
| Type | BLM 5/5.5 TB | Version |
| Order No. | 7760380690 | BLM, Terminal marker, 5 x 5.5 mm, Pitch in mm (P): 5.50 |
| GTIN (EAN) | 6944169819124 | Weidmueller, white |
| Qty. | 6,000 pc(s). | |

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Accessories

End plate



Klippon® Connect with clamping yoke Technology

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General ordering data

| | |
|------------|----------------------------|
| Type | SAKAP SAKDK4N |
| Order No. | 2108110000 |
| GTIN (EAN) | 4050118456066 |
| Qty. | 20 pc(s). |

| | |
|------------|----------------------------|
| Type | TSCH 5 |
| Order No. | 1485880000 |
| GTIN (EAN) | 4050118315394 |
| Qty. | 100 pc(s). |

SAKQ 2.5



Klippon® Connect with clamping yoke Technology

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General ordering data

| | |
|------------|----------------------------|
| Type | SAKQ 2.5/2 |
| Order No. | 1129270000 |
| GTIN (EAN) | 4032248996124 |
| Qty. | 50 pc(s). |

| | |
|------------|----------------------------|
| Type | SAKQ 2.5/3 |
| Order No. | 1129280000 |
| GTIN (EAN) | 4032248996131 |
| Qty. | 50 pc(s). |

| | |
|------------|----------------------------|
| Type | SAKQ 2.5/4 |
| Order No. | 1129290000 |
| GTIN (EAN) | 4032248996148 |
| Qty. | 50 pc(s). |

| | |
|------------|----------------------------|
| Type | SAKQ 2.5/10 |
| Order No. | 1129300000 |
| GTIN (EAN) | 4032248996155 |
| Qty. | 20 pc(s). |

Data sheet**SAKDK 2.5**

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Accessories

| | |
|------------|----------------------------|
| Type | SAKQ 2.5/10/5 |
| Order No. | 2614270000 |
| GTIN (EAN) | 4050118622409 |
| Qty. | 20 pc(s). |
