

Weidmüller Interface GmbH & Co. KG

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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

| Version | Feed-through terminal block, Screw connection, beige / yellow, 35 mm ² , 125 A, 800 V, Number of connections: 2 |
|------------|--|
| Order No. | <u>0550660000</u> |
| Туре | SAK 35N |
| GTIN (EAN) | 4008190165925 |
| Qty. | 20 items |





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Technical data

| Approvals | (£® | CURUSEX (DNV) | ÜK |
|--|---|----------------------------------|-------------------|
| ROHS | Conform | | |
| UL File Number Search | UL Website | | |
| Certificate No. (UR) | E60693 | | |
| Certificate No. (cURusEX) | E184763 | | |
| Dimensions and weights | | | |
| Depth | 67.5 mm | Depth (inches) | 2.6575 inch |
| Height | 58 mm | Height (inches) | 2.2835 inch |
| Width | 16 mm | Width (inches) | 0.6299 inch |
| Net weight | 51.35 g | | |
| Temperatures | | | |
| Storage temperature | -25 °C55 °C | Ambient temperature | -5 °C40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 100 °C |
| REACH SVHC Material data | No SVHC above 0.1 wt% | | |
| Dania mantania l | DA CC | Calarin | la sima dan Harri |
| Basic material UL 94 flammability rating | PA 66 V-2 | Colour | beige / yellow |
| · - | V-Z | | |
| 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 |
| Mounting rail | TS 32 | N-function | No |
| PE function | No | PEN function | No |
| Additional technical data | | | |
| Open sides | right | Number of similar terminals | 1 |
| Explosion-tested version | No | Type of mounting | Clamped |
| | | | 1 |
| CSA rating data | | | |
| CSA rating data | 2 AWG | Walkana sira C (CCA) | COOM |
| CSA rating data Wire cross section max. (CSA) | 2 AWG | Voltage size C (CSA) | 600 V |

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Current size C (CSA)

Wire cross section min. (CSA)

Catalogue status / Drawings 2

Certificate No. (CSA)

154685-1501714

120 A

12 AWG





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Technical data

| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 35 mm² | Connection type, additional connection | Screw connection |
|---|---------------------|---|---------------------|
| Conductors for clamping (rate | ed connection) | | |
| Gauge to IEC 60947-1 | B8 | Wire connection cross section AWG, | AWG 2 |
| dauge to IEC 00947-1 | БО | max. | AVVG 2 |
| Connection direction | on side | Tightening torque, max. | 5 Nm |
| Γightening torque, min. | 4 Nm | Stripping length | 18 mm |
| ype of connection | Screw connection | Number of connections | 2 |
| Clamping range, max. | 50 mm ² | Clamping range, min. | 2.5 mm ² |
| Clamping screw | M 6 | Blade size | 6.5 x 1.2 mm |
| Wire connection cross section AWG, nin. | AWG 12 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 35 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 35 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 mm ² | Wire connection cross section, finely stranded, max. | 35 mm² |
| Wire connection cross section, finely stranded, min. | 2.5 mm ² | Connection cross-section, stranded, max. | 50 mm² |
| Connection cross-section, stranded, mir | n. 2.5 mm² | Twin wire-end ferrules, max. | 16 mm² |
| Twin wire-end ferrules, min. | 1.5 mm ² | Wire connection cross-section, solid core, max. | 16 mm ² |
| Wire connection cross-section, solid core, min. | 2.5 mm ² | Connection cross-section, finely stranded, min. | 2.5 mm ² |
| General | | | |
| Nire connection cross section AWG, | AWG 2 | Wire connection cross section AWG, | AWG 12 |
| max. | 74102 | min. | 7476 12 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 32 |
| Rating data | | | |
| | | | |
| Rated cross-section | 35 mm ² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Nominal current | 125 A |
| Current at maximum wires Volume resistance according to IEC 60947-7-x | 150 A 0.26 mΩ | Standards Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 4.00 W | Pollution severity | 3 |
| UL rating data | | | |
| | | 0.000 | |
| Conductor size Factory wiring max. (UR | | Current size C (UR) | 100 A |
| /oltage size C (UR) | 600 V | Conductor size Factory wiring min. (UR) | 12 AWG |
| Certificate No. (UR) | E60693 | Conductor size Field wiring min. (UR) | 12 AWG |
| Conductor size Field wiring max. (UR) | 2 AWG | | |
| Classifications | · | | |
| | | | |
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |

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Technical data

| ETIM 10.0 | 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 |
| ECLASS 15.0 | 27-25-01-01 | | |



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End plates and partition plates



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

| | _ | |
|------------|----------------------|---|
| Туре | AP SAK35/TW SAK16 | Version |
| Order No. | 0303660000 | End plate for terminals, beige, Height: 58 mm, Width: 1.5 mm, V-2, |
| GTIN (EAN) | 4008190110765 | PA 66, Snap-on: Yes |
| Qty. | 10 ST | |
| Туре | AP SAK35/TW SAK16 BL | Version |
| Order No. | 0303680000 | End plate for terminals, blue, Height: 58 mm, Width: 1.5 mm, V-2, PA |
| GTIN (EAN) | 4008190025199 | 66, Snap-on: Yes |
| Qty. | 10 ST | |
| Туре | TW SAK35 | Version |
| Order No. | 0304360000 | Partition plate (terminal), beige, Height: 74 mm, Width: 1.5 mm, V-2, |
| GTIN (EAN) | 4008190038885 | PA 66 |
| Qty. | 20 ST | |

Testadapter and testsockets









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

| Туре | PS 4 F.STB 4 | Version |
|------------|---------------|--------------------------------|
| Order No. | 0299600000 | Test adapter (terminal), 230 V |
| GTIN (EAN) | 4008190074043 | |
| Qty. | 20 ST | |

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Accessories

Mounting support



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

General ordering data

| Туре | SS M4 D 128-A 4 | Version |
|------------|------------------|--|
| Order No. | 0136400000 | Lock washer, Copper |
| GTIN (EAN) | 4008190118143 | |
| Qty. | 100 ST | |
| Туре | BFSC M4X30 | Version |
| Order No. | 0267100000 | Mounting screw (Terminal), 4.00 mm, Steel, Depth: 7 mm, Width: 7 |
| GTIN (EAN) | 4008190187897 | mm, Height: 30 mm |
| Qty. | 50 ST | |
| Туре | BFSC M4X32 PA/NA | Version |
| Order No. | 0129100000 | Mounting screw (Terminal), 4.00 mm, Polyamide 66, Depth: 7 mm, |
| GTIN (EAN) | 4008190020842 | Width: 7 mm, Height: 32 mm |
| Qty. | 100 ST | |

Warning cover



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

| Туре | AD 4 SAK35N | Version |
|------------|---------------|--|
| Order No. | 0576700000 | Terminal cover, yellow, PVC, Height: 37 mm, Width: 63.6 mm, Depth: |
| GTIN (EAN) | 4008190119881 | 1 mm, V-2 |
| Qty. | 50 ST | |

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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

| | _ |
|------------|----------------|
| Туре | DEK 5/5 MC SDR |
| Order No. | 1609810000 |
| GTIN (EAN) | 4008190456597 |
| Qty. | 200 ST |

Version

Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00

Weidmueller, To customer specification

Blank



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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. | 1000 ST | |

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Accessories

Testadapter and testsockets









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General ordering data

Type STB 16/D7/4/M4 SAK35 Order No. 0140200000

GTIN (EAN) 4008190134884

Qty. 50 ST

Version

SAK Series, Socket

Custom printing



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General ordering data

Type DEK 5/6 MC SDR
Order No. 1609830000
GTIN (EAN) 4008190456603
Oty. 200 ST

version

Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00

Weidmueller, To customer specification

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Accessories

Blank



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General ordering data

| Туре | DEK 5/6 MC NE WS | Version |
|-------------------|--------------------------------|--|
| Order No. | 1609820000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436 | Weidmueller, white |
| Qty. | 1000 ST | |
| | | |
| Туре | DEK 5/8 MC NE WS | Version |
| Type Order No. | DEK 5/8 MC NE WS 1856740000 | Version Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| | · · | |

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.

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- 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 5/8 MC SDR | Version |
|------------|-------------------|---|
| Order No. | <u>1856750000</u> | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400867 | Weidmueller, To customer specification |
| Qty. | 160 ST | |

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Accessories

Plus



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- · 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 5/8 PLUS MC NE WS
Order No. <u>1046350000</u>

GTIN (EAN) 4032248782055

Qty. 800 ST

Version

Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00

Weidmueller, white

Custom printing



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

Type DEK 5/8 PLUS MC SDR Version

Order No. 1046370000 Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00

GTIN (EAN) 4032248782079 Weidmueller, To customer specification

Oty. 160 ST

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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
Order No. 2007130000
GTIN (EAN) 4050118392012
Qty. 500 ST

Version

Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white

Cross-connections









The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

| | ionoral oracing data | | | |
|------------|----------------------|--|--|--|
| Туре | QL 2 SAK35N | Version | | |
| Order No. | 0564900000 | Cross-connector (terminal), when screwed in, grey, 99 A, Number of | | |
| GTIN (EAN) | 4008190099282 | poles: 2, Pitch in mm (P): 8.00, Insulated: No, Width: 24.2 mm | | |
| Qty. | 50 ST | | | |

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Accessories

Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

| Туре | QL 10 SAK35N | Version |
|-------------------|---------------------------|--|
| Order No. | 0565200000 | Cross-connector (terminal), when screwed in, grey, 99 A, Number of |
| GTIN (EAN) | 4008190174286 | poles: 10, Pitch in mm (P): 8.00, Insulated: No, Width: 152.2 mm |
| Qty. | 20 ST | |
| | | |
| Туре | QL 3 SAK35N | Version |
| Type Order No. | QL 3 SAK35N 0565000000 | Version Cross-connector (terminal), when screwed in, grey, 99 A, Number of |
| | | |

Cross-connections









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General ordering data

| Туре | QL 4 SAK35N | Version |
|------------|-------------------|--|
| Order No. | <u>0565100000</u> | Cross-connector (terminal), when screwed in, grey, 99 A, Number of |
| GTIN (EAN) | 4008190162139 | poles: 4, Pitch in mm (P): 8.00, Insulated: No, Width: 56.2 mm |
| Qty. | 50 ST | |

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 snaped 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.

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Accessories

General ordering data

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

DEK 5/6



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.

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- · Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| Туре | DEK 5/6 MM WS | Version |
|------------|---------------|--|
| Order No. | 2007120000 | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104 | |
| Qty. | 600 ST | |

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