

EK 16

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



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 | PE terminal, Screw connection, yellow, green, 16 mm ² , 800 V, Number of connections: 2, Number of levels: 1, TS 32, V-2, PA 66 |
| Order No. | 0374660000 |
| Type | EK 16 |
| GTIN (EAN) | 4008190139889 |
| Qty. | 50 items |

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Technical data

Approvals

Approvals



| | |
|---------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |
| Certificate No. (cURusEX) | E184763 |

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 57.5 mm | Depth (inches) | 2.2638 inch |
| Height | 50 mm | Height (inches) | 1.9685 inch |
| Width | 12 mm | Width (inches) | 0.4724 inch |
| Net weight | 46.6 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...55 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 100 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|---------------|
| Basic material | PA 66 | Colour | yellow, green |
| UL 94 flammability rating | V-2 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Screw connection, With PE connection, One end without connector | End cover plate required | No |
| 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 | Yes |
| Mounting rail | TS 32 | N-function | No |
| PE function | Yes | PEN function | Yes |

Additional technical data

| | | | |
|---------------------|-----------------|-----------------------------|----|
| Open sides | closed | Number of similar terminals | 1 |
| Installation advice | Direct mounting | Explosion-tested version | No |
| Type of mounting | when screwed in | | |

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|-----------|
| Wire cross section max. (CSA) | 6 AWG | Voltage size C (CSA) | 600 V |
| Current size C (CSA) | 80 A | Certificate No. (CSA) | 12400-127 |
| Wire cross section min. (CSA) | 10 AWG | | |

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Conductors for clamping (additional connection)

| | | | |
|---|--------------------|--|------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 16 mm ² | Connection type, additional connection | Screw connection |
|---|--------------------|--|------------------|

Conductors for clamping (rated connection)

| | | | |
|---|--------------------|---|-------------------|
| Gauge to IEC 60947-1 | B6 | Wire connection cross section AWG, max. | AWG 6 |
| Connection direction | on side | Tightening torque, max. | 2.2 Nm |
| Tightening torque, min. | 2 Nm | Stripping length | 16 mm |
| Type of connection | Screw connection | Number of connections | 2 |
| Clamping range, max. | 16 mm ² | Clamping range, min. | 4 mm ² |
| Clamping screw | M 4 | Blade size | 1.0 x 5.5 mm |
| Wire connection cross section AWG, min. | AWG 12 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 4 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 4 mm ² |
| Wire connection cross section, finely stranded, max. | 16 mm ² | Wire connection cross section, finely stranded, min. | 4 mm ² |
| Connection cross-section, stranded, max. | 16 mm ² | Connection cross-section, stranded, min. | 4 mm ² |
| Wire connection cross-section, solid core, max. | 16 mm ² | Wire connection cross-section, solid core, min. | 4 mm ² |
| Connection cross-section, finely stranded, min. | 4 mm ² | | |

General

| | | | |
|---|--------|---------------------|-----------------|
| Wire connection cross section AWG, max. | AWG 6 | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 12 | Standards | IEC 60947-7-2 |
| Mounting rail | TS 32 | | |

Rating data

| | | | |
|--|--------------------|--|---------|
| Rated cross-section | 16 mm ² | Rated voltage to adjoining terminal | 800 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 0.42 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 8 kV | Power loss in accordance with IEC 60947-7-x | 2.43 W |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|---|--------|
| Conductor size Factory wiring max. (UR) | 6 AWG | Conductor size Factory wiring min. (UR) | 10 AWG |
| Certificate No. (UR) | E60693 | Conductor size Field wiring min. (UR) | 10 AWG |
| Conductor size Field wiring max. (UR) | 6 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000901 | ETIM 9.0 | EC000901 |
| ETIM 10.0 | EC000901 | ECLASS 14.0 | 27-25-01-03 |
| ECLASS 15.0 | 27-25-01-03 | | |

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Accessories

Mounting rail support



General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | SH 2 | Version | |
| Order No. | 0494920000 | Busbar support, medium yellow, 130 °C, Width: 40 mm, V-0, KrG, | |
| GTIN (EAN) | 4008190007584 | when screwed in | |
| Qty. | 10 ST | | |

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 5/5 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 | | |

Accessories

Custom printing



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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 ST | |
| Type | DEK 5/6 MC SDR | Version |
| Order No. | 1609830000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190456603 | Weidmueller, To customer specification |
| Qty. | 200 ST | |

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General ordering data

| | | |
|------------|----------------------------|---|
| Type | 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 | |

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Accessories

| | | |
|------------|----------------------------|---|
| Type | DEK 5/8 MC NE WS | Version |
| Order No. | 1856740000 | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400850 | Weidmueller, white |
| Qty. | 800 ST | |

Custom printing



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General ordering data

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

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.

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- Large range of ready-to-use markers
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 - Terminal markers, suitable for all Weidmüller cable connectors
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- 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 | Version |
| Order No. | 1046350000 | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248782055 | Weidmueller, white |
| Qty. | 800 ST | |

Accessories

Custom printing



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 - Terminal markers, suitable for all Weidmüller cable connectors
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- 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 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 |
| Qty. | 160 ST | | |

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 ST | | |

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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 ST | | |
| Type | BZT 1 ZA WS 10/5 | Version | |
| Order No. | 1805520000 | Accessories, Marker holder | |
| GTIN (EAN) | 4032248270248 | | |
| Qty. | 100 ST | | |

DEK 5/6



WS/ DEK

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

General ordering data

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