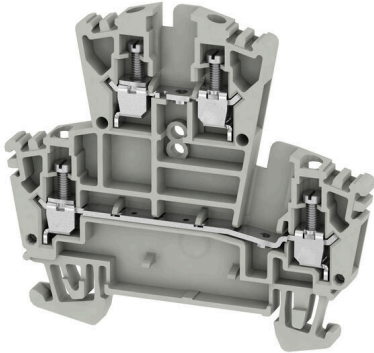


WDK 2.5 GR**Weidmüller Interface GmbH & Co. KG**

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 | Multi-tier modular terminal, Screw connection, grey, 2.5 mm ² , 400 V, Number of connections: 4, Number of levels: 2, TS 35, V-0 |
| Order No. | 1255280000 |
| Type | WDK 2.5 GR |
| GTIN (EAN) | 4050118048124 |
| Qty. | 100 items |

WDK 2.5 GR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Germany

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Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 63 mm | Depth (inches) | 2.4803 inch |
| Depth including DIN rail | 63 mm | Height | 69.5 mm |
| Height (inches) | 2.7362 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 12.03 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

| | |
|--------------------------|--------------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |
| Product Carbon Footprint | Cradle to gate 0.249 kg CO2eq. |

Material data

| | | | |
|---------------------------|-------|--------|------|
| Basic material | Wemid | Colour | grey |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO15ATEX1346U | Certificate No. (IECEX) | IECEXULD15.0003U |
| Max. voltage (ATEX) | 275 V | Current (ATEX) | 21 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 275 V |
| Current (IECEX) | 21 A | Wire cross section max. (IECEX) | 4 mm ² |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Screw connection, for screwable cross-connection, One end without connector | 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 | PE connection | No |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

WDK 2.5 GR

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Technical data

Additional technical data

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

Conductors for clamping (additional connection)

| | |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|----------------------|
| Wire connection cross section AWG, max. | AWG 12 | Connection direction | on side |
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.4 Nm |
| Stripping length | 10 mm | Type of connection 2 | Screw connection |
| Type of connection | Screw connection | Number of connections | 4 |
| Clamping range, max. | 4 mm ² | Clamping range, min. | 0.05 mm ² |
| Clamping screw | M 2.5 | Wire connection cross section AWG, min. | AWG 30 |
| 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. | 0.05 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. | 0.05 mm ² |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross section, finely stranded, min. | 0.05 mm ² |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 0.05 mm ² |
| Wire connection cross-section, solid core, max. | 4 mm ² | Wire connection cross-section, solid core, min. | 0.05 mm ² |
| Connection cross-section, finely stranded, min. | 0.05 mm ² | | |

General

| | | | |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 30 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35 |

Rating data

| | | | |
|--|---------------------|---|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 400 V |
| Rated DC voltage | 400 V | Nominal current | 24 A |
| Current at maximum wires | 24 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Power loss in accordance with IEC 60947-7-x | 0.77 W |

UL rating data

| | | | |
|---|--------|---|--------|
| Voltage size B (UR) | 300 V | Current size B (UR) | 20 A |
| Conductor size Factory wiring max. (UR) | 12 AWG | Current size C (UR) | 20 A |
| Voltage size C (UR) | 300 V | Conductor size Factory wiring min. (UR) | 22 AWG |
| Certificate No. (UR) | E60693 | Conductor size Field wiring min. (UR) | 22 AWG |
| Conductor size Field wiring max. (UR) | 12 AWG | | |

Classifications

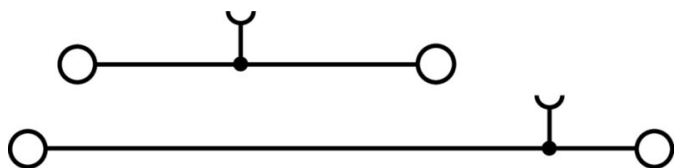
| | | | |
|-----------|----------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-02 |

Technical data

ECLASS 15.0

27-25-01-02

Drawings



WDK 2.5 GR

Weidmüller Interface GmbH & Co. KG

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Accessories

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

| | | |
|------------|----------------------------|--|
| Type | WQV 2.5/2 | Version |
| Order No. | 1053660000 | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190031121 | poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm |
| Qty. | 50 ST | |
| Type | WQV 2.5/3 | Version |
| Order No. | 1053760000 | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190058999 | poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm |
| Qty. | 50 ST | |
| Type | WQV 2.5/4 | Version |
| Order No. | 1053860000 | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190049706 | poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm |
| Qty. | 50 ST | |
| Type | WQV 2.5/10 | Version |
| Order No. | 1054460000 | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190135089 | poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm |
| Qty. | 20 ST | |

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WAP WDK2.5 | Version |
| Order No. | 1059100000 | End plate for terminals, dark beige, Height: 69 mm, Width: 1.5 mm, |
| GTIN (EAN) | 4008190101954 | V-0, Wemid, Snap-on: No |
| Qty. | 20 ST | |
| Type | WAP WDK2.5 BL | Version |
| Order No. | 1059180000 | End plate for terminals, blue, Height: 69 mm, Width: 1.5 mm, V-0, |
| GTIN (EAN) | 4008190081089 | Wemid, Snap-on: No |
| Qty. | 20 ST | |

WDK 2.5 GR

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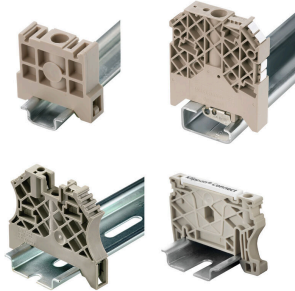
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Accessories

| | | |
|------------|----------------------------|---|
| Type | WTW EN | Version |
| Order No. | 1058800000 | Partition plate (terminal), dark beige, Height: 86 mm, Width: 3 mm, |
| GTIN (EAN) | 4008190140175 | V-0, Wemid |
| Qty. | 20 ST | |

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WEW 35/2 | Version |
| Order No. | 1061200000 | End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190030230 | |
| Qty. | 50 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

| | | |
|------------|----------------------------|---|
| Type | SL 5.08/4/WDK2.5 OR | Version |
| Order No. | 1324100000 | Plug-in adaptor (Terminal), 5 A, Rated voltage to adjoining terminal: |
| GTIN (EAN) | 4032248144884 | 250 V, orange |
| Qty. | 75 ST | |

WDK 2.5 GR

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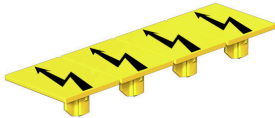
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Accessories

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

| | | |
|------------|----------------------------|--|
| Type | WAD 4 GE BED | Version |
| Order No. | 1072000000 | Terminal cover, yellow, PA 66, Height: 19.8 mm, Width: 4.5 mm, |
| GTIN (EAN) | 4008190446109 | Depth: 9.6 mm, V-2 |
| Qty. | 50 ST | |
| Type | WAD 4 WS | Version |
| Order No. | 1072100000 | Terminal cover, white, PA 66, Height: 19.8 mm, Width: 4.5 mm, |
| GTIN (EAN) | 4008190446116 | Depth: 9.6 mm, V-2 |
| Qty. | 50 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 | |
| Type | WS 8/5 MC NE WS | Version |
| Order No. | 1640740000 | WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190279103 | Allen-Bradley, white |
| Qty. | 720 ST | |

WDK 2.5 GR

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Accessories

Shield clamping saddle



With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

General ordering data

| | | |
|------------|----------------------------|----------------------|
| Type | LS 2.8 WDU2.5-10 | Version |
| Order No. | 1056400000 | W-Series, Shield bus |
| GTIN (EAN) | 4008190036454 | |
| Qty. | 100 ST | |

Cross-connections



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General ordering data

| | | |
|------------|----------------------------|---|
| Type | WQB A/10 | Version |
| Order No. | 1578990000 | Cross-connector (terminal), when screwed in, black, 24 A, Number of |
| GTIN (EAN) | 4008190182663 | poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.26 mm |
| Qty. | 20 ST | |
| Type | WQB A/2 | Version |
| Order No. | 1578950000 | Cross-connector (terminal), when screwed in, black, 24 A, Number of |
| GTIN (EAN) | 4008190179557 | poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 10.14 mm |
| Qty. | 50 ST | |
| Type | WQB A/24 | Version |
| Order No. | 1579000000 | Cross-connector (terminal), when screwed in, black, 24 A, Number of |
| GTIN (EAN) | 4008190134211 | poles: 24, Pitch in mm (P): 5.10, Insulated: Yes, Width: 123.22 mm |
| Qty. | 20 ST | |
| Type | WQB A/3 | Version |
| Order No. | 1578960000 | Cross-connector (terminal), when screwed in, black, 24 A, Number of |
| GTIN (EAN) | 4008190108960 | poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 15.28 mm |
| Qty. | 50 ST | |
| Type | WQB A/4 | Version |
| Order No. | 1578970000 | Cross-connector (terminal), when screwed in, black, 24 A, Number of |
| GTIN (EAN) | 4008190119522 | poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 20.42 mm |
| Qty. | 50 ST | |

WDK 2.5 GR

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D-32758 Detmold

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Accessories

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

| | | |
|------------|----------------------------|---------------------|
| Type | STB 8.5/D4/2.3/M2.5 AKZ | Version |
| Order No. | 0215700000 | Accessories, Socket |
| GTIN (EAN) | 4008190184872 | |
| 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 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 | |

WDK 2.5 GR

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Accessories

WS 8/5



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 | WS 8/5 MM WS | Version |
| Order No. | 2007150000 | WS, Terminal marker, 8 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392029 | |
| Qty. | 800 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

| | | |
|------------|----------------------------|---|
| Type | WTA 4N WDK 2.5 | Version |
| Order No. | 1878660000 | Test adapter (terminal), 1.5 mm ² , 250 V, 6 A |
| GTIN (EAN) | 4032248503285 | |
| Qty. | 25 ST | |
| Type | WTA 4N/ZA WDK 2.5 | Version |
| Order No. | 1879350000 | Test adapter (terminal), 1.5 mm ² , 250 V, 6 A |
| GTIN (EAN) | 4032248503261 | |
| Qty. | 25 ST | |

WDK 2.5 GR**Weidmüller Interface GmbH & Co. KG**

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D-32758 Detmold

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www.weidmueller.com**Accessories****End plates and partition plates**

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

| | | |
|------------|----------------------------|------------------------------|
| Type | WZR WDK2.5 | Version |
| Order No. | 1074000000 | W-Series, Intermediate frame |
| GTIN (EAN) | 4008190890384 | |
| Qty. | 20 ST | |