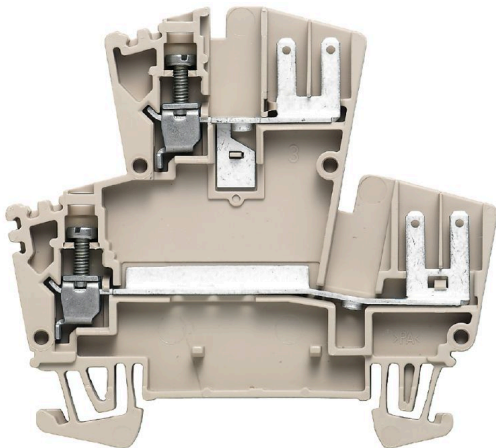


**WDK 2.5 F****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

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, dark beige, 2.5 mm <sup>2</sup> , 400 V, Number of connections: 2, Number of levels: 2, TS 35, V-0 |
| Order No.  | <a href="#">1021600000</a>  |
| Type       | WDK 2.5 F   |
| GTIN (EAN) | 4008190062514   |
| Qty.       | 50 items  |

## WDK 2.5 F

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 62.5 mm     | Depth (inches) | 2.4606 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     | 11.73 g     |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C        |

## Environmental Product Compliance

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

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic material            | Wemid | Colour | dark beige |
| 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 | 3     |
| Levels cross-connected internally | No  | Mounting rail                       | TS 35 |

## Additional technical data

|                     |                 |                             |    |
|---------------------|-----------------|-----------------------------|----|
| Open sides          | right           | Number of similar terminals | 1  |
| Installation advice | Direct mounting | Explosion-tested version    | No |
| Type of mounting    | Snap-on         |                             |    |

## CSA rating data

|                               |        |                       |           |
|-------------------------------|--------|-----------------------|-----------|
| Wire cross section max. (CSA) | 12 AWG | Voltage size C (CSA)  | 300 V     |
| Current size C (CSA)          | 10 A   | Certificate No. (CSA) | 12400-135 |
| Wire cross section min. (CSA) | 26 AWG |                       |           |

## Conductors for clamping (additional connection)

Connection type, additional connection Flat-blade connection

## Conductors for clamping (rated connection)

|                      |         |   |        |
|----------------------|---------|---|--------|
| Gauge to IEC 60947-1 | A3      | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | on side | Tightening torque, max.                 | 0.6 Nm |

## WDK 2.5 F

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## Technical data

|   |                       |   |                      |
|---|-----------------------|---|----------------------|
| Tightening torque, min.   | 0.4 Nm                | Stripping length  | 10 mm                |
| Type of connection 2  | Flat-blade connection | Type of connection  | Screw connection     |
| Number of connections   | 2                     | Clamping range, max.  | 4 mm <sup>2</sup>    |
| Clamping range, min.  | 0.13 mm <sup>2</sup>  | Clamping screw  | M 2.5                |
| Blade size  | 0.6 x 3.5 mm          | Wire connection cross section AWG, min.   | AWG 26               |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>     | Wire connection cross section, finely stranded, min.                                    | 0.13 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>     | Connection cross-section, stranded, min.  | 0.13 mm <sup>2</sup> |
| Torque level with DMS electric screwdriver  | 1                     | Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>    |
| Wire connection cross-section, solid core, min.   | 0.13 mm <sup>2</sup>  | Connection cross-section, finely stranded, min.   | 0.13 mm <sup>2</sup> |

## General

|   |        |                     |   |
|---|--------|---------------------|---|
| Wire connection cross section AWG, max. | AWG 12 | Installation advice | Direct mounting                             |
| Wire connection cross section AWG, min. | AWG 26 | Standards           | IEC 61210, In accordance with IEC 60947-7-1 |
| Mounting rail                           | TS 35  |                     |   |

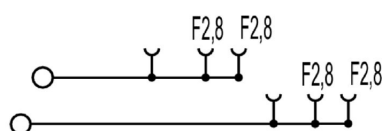
## Rating data

|  |                     |                                 |   |
|--|---------------------|---------------------------------|---|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 400 V                                       |
| Rated DC voltage                             | 400 V               | Nominal current                 | 12 A  |
| Current at maximum wires                     | 12 A                | Standards                       | IEC 61210, In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 6 kV  |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3   |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| 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 | 27-25-01-02 | ECLASS 14.0 | 27-25-01-02 |
| ECLASS 15.0 | 27-25-01-02 |             |             |

Drawings



## WDK 2.5 F

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

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Germany

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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       | WQB A/24                   | Version  |
| Order No.  | <a href="#">1579000000</a> | 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       | WQV 2.5/2                  | Version  |
| Order No.  | <a href="#">1053660000</a> | 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.  | <a href="#">1053760000</a> | 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.  | <a href="#">1053860000</a> | 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 2.5/5                  | Version  |
| Order No.  | <a href="#">1053960000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190158446              | poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/6                  | Version  |
| Order No.  | <a href="#">1054060000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190102272              | poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/7                  | Version  |
| Order No.  | <a href="#">1054160000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190011246              | poles: 7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/8                  | Version  |
| Order No.  | <a href="#">1054260000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190073572              | poles: 8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/10                 | Version  |
| Order No.  | <a href="#">1054460000</a> | 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                      |  |
| Type       | WQV 2.5/15                 | Version  |
| Order No.  | <a href="#">1059660000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190002411              | poles: 15, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 ST                      |  |

## WDK 2.5 F

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | WQV 2.5/20                 | Version  |
| Order No.  | <a href="#">1577570000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190125868              | poles: 20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/30                 | Version  |
| Order No.  | <a href="#">1067500000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190031107              | poles: 30, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/32                 | Version  |
| Order No.  | <a href="#">1577600000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190154035              | poles: 32, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 ST                      |  |

## 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

|            |                            |  |
|------------|----------------------------|--|
| Type       | WAP WDK2.5                 | Version  |
| Order No.  | <a href="#">1059100000</a> | 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.  | <a href="#">1059180000</a> | End plate for terminals, blue, Height: 69 mm, Width: 1.5 mm, V-0,  |
| GTIN (EAN) | 4008190081089              | Wemid, Snap-on: No   |
| Qty.       | 20 ST                      |  |
| Type       | WAP WDK2.5 GN              | Version  |
| Order No.  | <a href="#">1059140000</a> | End plate for terminals, green, Height: 69 mm, Width: 1.5 mm, V-0, |
| GTIN (EAN) | 4008190901790              | Wemid, Snap-on: No   |
| Qty.       | 20 ST                      |  |

## Protection against contact



Our systems for touch protection ensure greater safety in your cabinet. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

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

 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)
**Accessories**
**General ordering data**

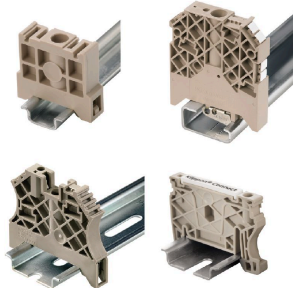
|            |                            |  |
|------------|----------------------------|--|
| Type       | HP 3 ADP3                  | Version  |
| Order No.  | <a href="#">0485760000</a> | End and partition plate for terminals, beige, Height: 82 mm, Width: 3 mm, V-2, PA 66 |
| GTIN (EAN) | 4008190030254              |  |
| Qty.       | 20 ST                      |  |

**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**

|            |                            |                             |
|------------|----------------------------|-----------------------------|
| Type       | IH 2.8 DB                  | Version                     |
| Order No.  | <a href="#">0386060000</a> | W-Series, Insulating sleeve |
| GTIN (EAN) | 4008190043414              |                             |
| Qty.       | 100 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.  | <a href="#">1061200000</a> | End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190030230              |  |
| Qty.       | 50 ST                      |  |

## WDK 2.5 F

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## Accessories

## Cutting and notching tools for cross-connections

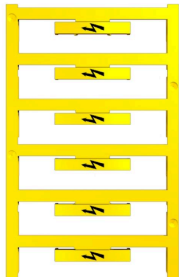


- for Weidmüller Z-Series cross-connections
- for cross-connections from WQV 2.5 to WQV 35
- for cross-connection window of the terminal WSI 6

## General ordering data

|            |                            |                     |  |
|------------|----------------------------|---------------------|--|
| Type       | WAW 1 NEUTRAL              | Version             |  |
| Order No.  | <a href="#">9004500000</a> | Miscellaneous tools |  |
| GTIN (EAN) | 4008190053925              |                     |  |
| Qty.       | 1 ST                       |                     |  |

## With lightning flash



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers. 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       | WAD 5 MC B GE/SW           | Version   |  |
| Order No.  | <a href="#">1120450000</a> | Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5, |  |
| GTIN (EAN) | 4032248901272              | WEW 35/2, ZEW 35/2, yellow  |  |
| Qty.       | 48 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.



## WDK 2.5 F

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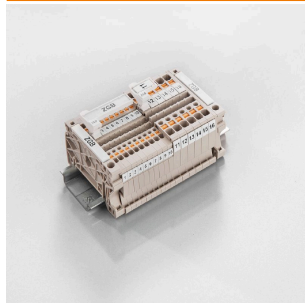
www.weidmueller.com

## Accessories

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/5 MC NE WS           | Version   |
| Order No.  | <a href="#">1609801044</a> | 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.  | <a href="#">1640740000</a> | WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190279103              | Allen-Bradley, white  |
| Qty.       | 720 ST                     |   |

## ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

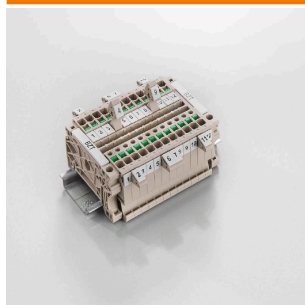
The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | ZGB 15                     | Version   |
| Order No.  | <a href="#">1636530000</a> | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190297053              | Weidmueller, white  |
| Qty.       | 20 ST                      |   |
| Type       | ZGB 30                     | Version   |
| Order No.  | <a href="#">1611930000</a> | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190002251              | Weidmueller, white  |
| Qty.       | 20 ST                      |   |
| Type       | ZGB 30/3.5                 | Version   |
| Order No.  | <a href="#">1778290000</a> | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50 |
| GTIN (EAN) | 4032248161065              | white   |
| Qty.       | 20 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.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 ST                     |                            |

## WDK 2.5 F

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## Accessories

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 ST                     |                            |

## 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.  | <a href="#">2007150000</a> | WS, Terminal marker, 8 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392029              |   |
| Qty.       | 800 ST                     |   |