

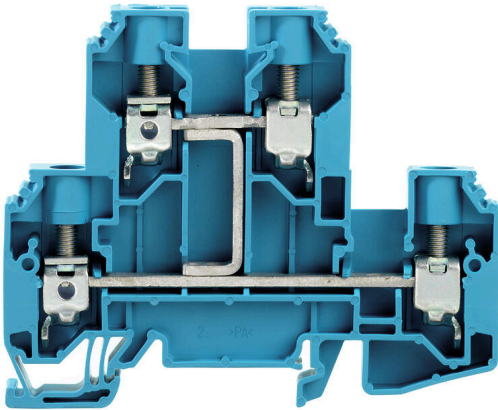
**WDK 10 V BL****Weidmüller Interface GmbH & Co. KG**

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, blue, 10 mm <sup>2</sup> , 800 V, Number of connections: 4, Number of levels: 2, TS 35, V-0 |
| Order No.  | <a href="#">1186780000</a>   |
| Type       | WDK 10 V BL  |
| GTIN (EAN) | 4050118024654  |
| Qty.       | 50 items   |

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 69 mm       | Depth (inches) | 2.7165 inch |
| Depth including DIN rail | 69.5 mm     | Height         | 85 mm       |
| Height (inches)          | 3.3464 inch | Width          | 9.9 mm      |
| Width (inches)           | 0.3898 inch | Net weight     | 43 g        |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °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 | blue |
| UL 94 flammability rating | V-0   |        |      |

## System specifications

|                                     |  |                               |     |
|-------------------------------------|--|-------------------------------|-----|
| Version                             | Screw connection, Double terminal, Vertically cross-connected, for screwable cross-connection, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1  | Number of levels              | 2   |
| Number of clamping points per level | 2  | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes  | PE connection                 | No  |
| Mounting rail                       | TS 35  | N-function                    | Yes |
| PE function                         | No   | PEN function                  | No  |

## Additional technical data

|                  |         |                          |    |
|------------------|---------|--------------------------|----|
| Open sides       | right   | Explosion-tested version | No |
| Type of mounting | Snap-on |                          |    |

## CSA rating data

|                               |        |                       |                |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 6 AWG  | Voltage size C (CSA)  | 600 V          |
| Current size C (CSA)          | 49 A   | Certificate No. (CSA) | 200039-1057876 |
| Voltage size B (CSA)          | 600 V  | Current size B (CSA)  | 49 A           |
| Voltage size D (CSA)          | 600 V  | Current size D (CSA)  | 5 A            |
| Wire cross section min. (CSA) | 18 AWG |                       |                |

## Technical data

### Conductors for clamping (additional connection)

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.   | 1.9 Nm              |
| Tightening torque, min.   | 1.2 Nm              | Stripping length  | 12 mm               |
| Type of connection 2  | Screw connection    | Type of connection  | Screw connection    |
| Number of connections   | 4                   | Clamping range, max.  | 16 mm <sup>2</sup>  |
| Clamping range, min.  | 1.5 mm <sup>2</sup> | Clamping screw  | M 4                 |
| Blade size  | 1.0 x 5.5 mm        | Wire connection cross section AWG, min.   | AWG 16              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 16 mm <sup>2</sup>  | Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> |
| Twin wire-end ferrules, max.  | 6 mm <sup>2</sup>   | Twin wire-end ferrules, min.  | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 16 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.   | 1.5 mm <sup>2</sup> |
| Connection cross-section, finely stranded, min.   | 1.5 mm <sup>2</sup> |   |                     |

### General

|   |               |   |        |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 6         | Wire connection cross section AWG, min. | AWG 16 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35  |

### Rating data

|  |                    |                                 |               |
|--|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 10 mm <sup>2</sup> | Rated voltage                   | 800 V         |
| Rated DC voltage                             | 800 V              | Nominal current                 | 57 A          |
| Current at maximum wires                     | 73 A               | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.56 mΩ            | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 1.82 W             | Surge voltage category          | III           |
| Pollution severity                           | 3                  |                                 |               |

### UL rating data

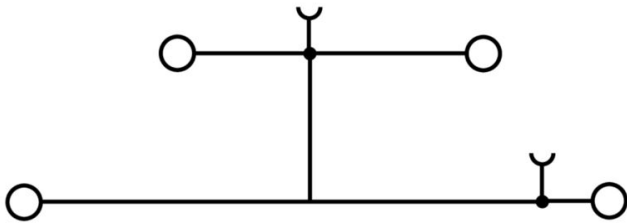
|   |        |                              |        |
|---|--------|------------------------------|--------|
| Voltage size B (UR)                     | 600 V  | Wire cross section min. (UR) | 18 AWG |
| Current size B (UR)                     | 49 A   | Wire cross section max. (UR) | 6 AWG  |
| Conductor size Factory wiring max. (UR) | 6 AWG  | Current size D (UR)          | 5 A    |
| Current size C (UR)                     | 49 A   | Voltage size C (UR)          | 600 V  |
| Conductor size Factory wiring min. (UR) | 18 AWG | Certificate No. (UR)         | E60693 |
| Conductor size Field wiring min. (UR)   | 18 AWG | Voltage size D (UR)          | 600 V  |
| Conductor size Field wiring max. (UR)   | 6 AWG  |                              |        |

## Technical data

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-02 |
| ECLASS 15.0 | 27-25-01-02 |             |             |

**Drawings**



## WDK 10 V BL

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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 10/2                   | Version  |
| Order No.  | <a href="#">1052560000</a> | Cross-connector (terminal), when screwed in, yellow, 76 A, Number of |
| GTIN (EAN) | 4008190154943              | poles: 2, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm      |
| Qty.       | 50 ST                      |  |
| Type       | WQV 10/3                   | Version  |
| Order No.  | <a href="#">1054960000</a> | Cross-connector (terminal), when screwed in, yellow, 63 A, Number of |
| GTIN (EAN) | 4008190079079              | poles: 3, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm      |
| Qty.       | 50 ST                      |  |
| Type       | WQV 10/4                   | Version  |
| Order No.  | <a href="#">1055060000</a> | Cross-connector (terminal), when screwed in, yellow, 63 A, Number of |
| GTIN (EAN) | 4008190188245              | poles: 4, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm      |
| Qty.       | 50 ST                      |  |
| Type       | WQV 10/10                  | Version  |
| Order No.  | <a href="#">1052460000</a> | Cross-connector (terminal), when screwed in, yellow, 63 A, Number of |
| GTIN (EAN) | 4008190152130              | poles: 10, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 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 WDK10                  | Version  |
| Order No.  | <a href="#">1186720000</a> | End plate for terminals, dark beige, Height: 85 mm, Width: 1.5 mm, |
| GTIN (EAN) | 4050118024661              | V-0, Wemid, Snap-on: Yes   |
| Qty.       | 20 ST                      |  |
| Type       | WAP WDK10 BL               | Version  |
| Order No.  | <a href="#">1186730000</a> | End plate for terminals, blue, Height: 85 mm, Width: 1.5 mm, V-0,  |
| GTIN (EAN) | 4050118024678              | Wemid, Snap-on: Yes  |
| Qty.       | 20 ST                      |  |

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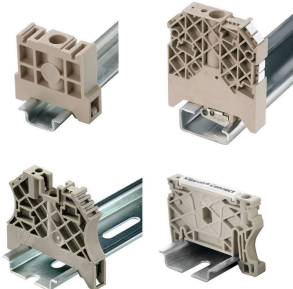
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## Accessories

## 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 35/1                   | Version  |  |
| Order No.  | <a href="#">1059000000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C |  |
| GTIN (EAN) | 4008190172282              |  |  |
| Qty.       | 50 ST                      |  |  |

## 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 1.0X5.5X150            | Version                  |  |
| Order No.  | <a href="#">9008350000</a> | Screwdriver, Screwdriver |  |
| GTIN (EAN) | 4032248056316              |                          |  |
| Qty.       | 1 ST                       |                          |  |

## Blank



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 8 MC NE GE             | Version   |  |
| Order No.  | <a href="#">1112950000</a> | Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4, |  |
| GTIN (EAN) | 4032248891696              | WEW 35/2, ZEW 35/2, yellow                                      |  |
| Qty.       | 48 ST                      |   |  |

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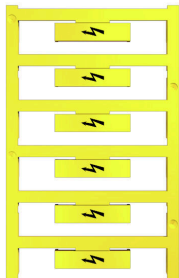
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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | WAD 8 MC NE WS             | Version   |
| Order No.  | <a href="#">1112940000</a> | Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4, |
| GTIN (EAN) | 4032248891825              | WEW 35/2, ZEW 35/2, white                                       |
| Qty.       | 48 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 8 MC B GE/SW           | Version   |
| Order No.  | <a href="#">1120470000</a> | Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4, |
| GTIN (EAN) | 4032248901289              | 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.

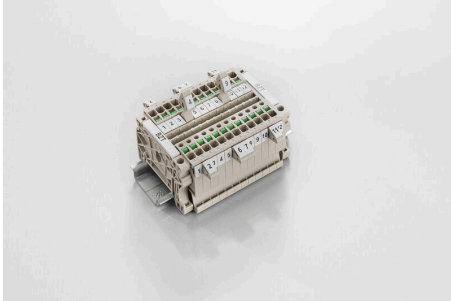
## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/8-11.5 MC NE WS      | Version   |
| Order No.  | <a href="#">1341630000</a> | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4050118145946              | Weidmueller, white  |
| Qty.       | 500 ST                     |   |



## 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.  | <a href="#">1805490000</a> | Accessories, Marker holder |  |
| GTIN (EAN) | 4032248270231              |                            |  |
| Qty.       | 100 ST                     |                            |  |
| Type       | BZT 1 ZA WS 10/5           | Version                    |  |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |  |
| GTIN (EAN) | 4032248270248              |                            |  |
| Qty.       | 100 ST                     |                            |  |