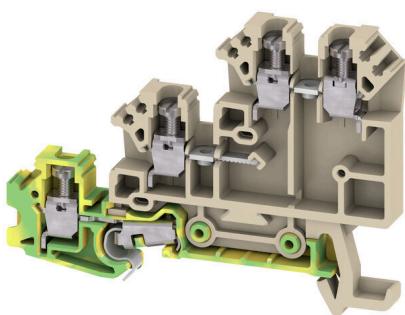


**DLA 2.5 DB**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Product image**

The terminal blocks with DLA and DLI screw connection technology offer compact options for signal wiring. Potentials can be distributed easily and reliably via the cross-connection channels. For signal visualisation, we offer variants with LED display and an optional PE connection.

**General ordering data**

|            |  |
|------------|--|
| Version    | Initiator/actuator terminal, Screw connection, dark beige, 2.5 mm <sup>2</sup> , 17.5 A, 250 V, Number of connections: 3, Number of levels: 3, TS 35 |
| Order No.  | <a href="#">1783560000</a>   |
| Type       | DLA 2.5 DB   |
| GTIN (EAN) | 4032248211487  |
| Qty.       | 100 items  |

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## Technical data

## Approvals

## Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E60693                     |

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 48.5 mm     | Depth (inches) | 1.9094 inch |
| Depth including DIN rail | 49 mm       | Height         | 65 mm       |
| Height (inches)          | 2.5591 inch | Width          | 6.1 mm      |
| Width (inches)           | 0.2402 inch | Net weight     | 11.15 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 | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                                     |                                      |                               |     |
|-------------------------------------|--------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, With PE connection | End cover plate required      | Yes |
| Number of potentials                | 3                                    | Number of levels              | 3   |
| Number of clamping points per level | 2                                    | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                   | PE connection                 | Yes |
| Mounting rail                       | TS 35                                | N-function                    | No  |
| PE function                         | Yes                                  | PEN function                  | No  |

## Additional technical data

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

## CSA rating data

|                               |        |                       |           |
|-------------------------------|--------|-----------------------|-----------|
| Wire cross section max. (CSA) | 12 AWG | Certificate No. (CSA) | 12400-280 |
| Voltage size D (CSA)          | 300 V  | Current size D (CSA)  | 10 A      |
| Wire cross section min. (CSA) | 26 AWG |                       |           |

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## Technical data

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 2.5 mm<sup>2</sup>

## 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               |
| Tightening torque, min.   | 0.4 Nm               |
| Stripping length  | 7 mm                 |
| Type of connection 2  | Screw connection     |
| Type of connection  | Screw connection     |
| Number of connections   | 3                    |
| 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, 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> |

| Clampable conductor | Connection specification               | Screw connection  |  |
|---------------------|--|-------------------|--|
|                     |  | Type              | solid, H05(07) V-U                     |
|                     | Cross-section for conductor connection | min.              | 0.5 mm <sup>2</sup>                    |
|                     |  | max.              | 4 mm <sup>2</sup>                      |
|                     |  | nominal           | 2.5 mm <sup>2</sup>                    |
|                     | wire end ferrule                       | Stripping length  | min. 7 mm<br>max. 7 mm<br>nominal 7 mm |
|                     |  | Tightening torque | min. 0.4 Nm<br>max. 0.6 Nm             |
| Clampable conductor | Connection specification               | Screw connection  |  |
|                     | Cross-section for conductor connection | Type              | stranded, H07V-R                       |

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## Technical data

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|  |                   |  |
|--|-------------------|--|
|  | min.              | 1.5 mm <sup>2</sup>                    |
|  | max.              | 4 mm <sup>2</sup>                      |
|  | nominal           | 2.5 mm <sup>2</sup>                    |
| wire end ferrule                       | Stripping length  | min. 7 mm<br>max. 7 mm<br>nominal 7 mm |
|  | Tightening torque | min. 0.4 Nm<br>max. 0.6 Nm             |
| Connection specification               | Screw connection  |  |
| Cross-section for conductor connection | Type              | flexible, H05(07) V-K                  |
|  | min.              | 0.5 mm <sup>2</sup>                    |
|  | max.              | 4 mm <sup>2</sup>                      |
|  | nominal           | 2.5 mm <sup>2</sup>                    |
| wire end ferrule                       | Stripping length  | min. 7 mm<br>max. 7 mm<br>nominal 7 mm |
|  | Tightening torque | min. 0.4 Nm<br>max. 0.6 Nm             |

## General

|   |                      |
|---|----------------------|
| Wire connection cross section AWG, max. | AWG 12               |
| Standards                               | IEC 60947-7-1 (-7-2) |

|   |        |
|---|--------|
| Wire connection cross section AWG, min. | AWG 26 |
| Mounting rail                           | TS 35  |

## Rating data

|  |                     |
|--|---------------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> |
| Rated DC voltage                             | 250 V               |
| Current at maximum wires                     | 26 A                |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              |

|                                 |                      |
|---------------------------------|----------------------|
| Rated voltage                   | 250 V                |
| Nominal current                 | 17.5 A               |
| Standards                       | IEC 60947-7-1 (-7-2) |
| Rated impulse withstand voltage | 4 kV                 |
| Pollution severity              | 3                    |

## UL rating data

|   |        |
|---|--------|
| Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG |
| Conductor size Field wiring max. (UR)   | 12 AWG |

|                      |        |
|----------------------|--------|
| Current size D (UR)  | 10 A   |
| Certificate No. (UR) | E60693 |
| Voltage size D (UR)  | 300 V  |

## Classifications

|             |             |
|-------------|-------------|
| ETIM 8.0    | EC000900    |
| ETIM 10.0   | EC000900    |
| ECLASS 15.0 | 27-25-01-12 |

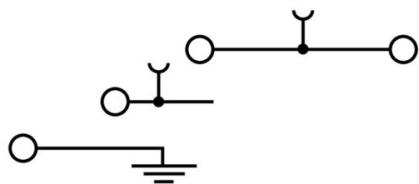
|             |             |
|-------------|-------------|
| ETIM 9.0    | EC000900    |
| ECLASS 14.0 | 27-25-01-12 |

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**Drawings**

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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       | Q 2 DLI                    | Version  |
| Order No.  | <a href="#">1312500000</a> | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190039837              | poles: 2, Pitch in mm (P): 6.10, Insulated: No, Width: 11.1 mm     |
| Qty.       | 50 ST                      |  |
| Type       | Q 3 DLI                    | Version  |
| Order No.  | <a href="#">1312600000</a> | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190024604              | poles: 3, Pitch in mm (P): 6.10, Insulated: No, Width: 17.2 mm     |
| Qty.       | 50 ST                      |  |
| Type       | Q 4 DLI                    | Version  |
| Order No.  | <a href="#">1312700000</a> | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190162122              | poles: 4, Pitch in mm (P): 6.10, Insulated: No, Width: 23.3 mm     |
| Qty.       | 50 ST                      |  |
| Type       | Q 10 DLI                   | Version  |
| Order No.  | <a href="#">1313100000</a> | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190167622              | poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 59.9 mm    |
| Qty.       | 20 ST                      |  |
| Type       | Q 20 DLI                   | Version  |
| Order No.  | <a href="#">1399800000</a> | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190070670              | poles: 20, Pitch in mm (P): 5.00, Insulated: No, Width: 120.9 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       | AP DLI2.5 DB               | Version   |
| Order No.  | <a href="#">1783550000</a> | End plate for terminals, dark beige, Height: 65.65 mm, Width: 1.5 |
| GTIN (EAN) | 4032248189847              | mm, V-0, Wemid, Snap-on: Yes                                      |
| Qty.       | 20 ST                      |   |

## DLA 2.5 DB

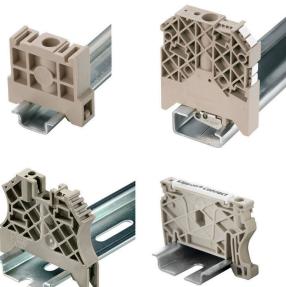
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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | TSCH 1                     | Version   |
| Order No.  | <a href="#">0319160000</a> | Small partition (terminal), PA 66, beige, Continuous operating temp., |
| GTIN (EAN) | 4008190097219              | max.: 100 °C  |
| 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       | EW 35                      | Version  |
| Order No.  | <a href="#">0383560000</a> | End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C |
| GTIN (EAN) | 4008190181314              |  |
| 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 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 ST                       |                          |

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## Accessories

## 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 5/6 MC NE WS           | Version  |
| Order No.  | <a href="#">1609820000</a> | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00        |
| GTIN (EAN) | 4008190203436              | Weidmüller, 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 Weidmüller, |
| GTIN (EAN) | 4008190279103              | Allen-Bradley, white   |
| Qty.       | 720 ST                     |  |

## SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw.

The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

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

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SCHT 7                     | Version   |
| Order No.  | <a href="#">0517960000</a> | SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00 |
| GTIN (EAN) | 4008190001742              | Weidmüller, white   |
| Qty.       | 20 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.  | <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                     |                            |

## 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                     |   |