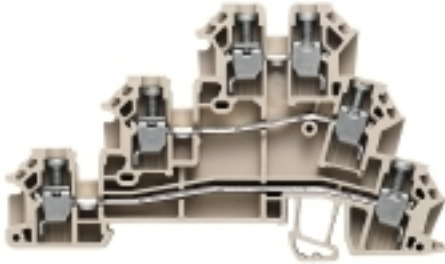


**W-Series  
DLD 2.5 DB**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
www.weidmueller.com

**Signal wiring**

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

**General ordering data**

|            |                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------|
| Type       | DLD 2.5 DB                                                                                         |
| Order No.  | <a href="#">1784180000</a>                                                                         |
| Version    | W-Series, Initiator/actuator terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| GTIN (EAN) | 4032248189854                                                                                      |
| Qty.       | 50 pc(s).                                                                                          |

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**Technical data**
**Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 6.2 mm  | Width (inches)  | 0.244 inch |
| Height                   | 82.5 mm | Height (inches) | 3.248 inch |
| Depth                    | 48.5 mm | Depth (inches)  | 1.909 inch |
| Depth including DIN rail | 49 mm   | Net weight      | 15.84 g    |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                   |                                             |                               |     |
|-----------------------------------|---------------------------------------------|-------------------------------|-----|
| Version                           | Screw connection, One end without connector | End cover plate required      | Yes |
| Number of potentials              | 3                                           | Number of levels              | 3   |
| No. 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  |

**Additional technical data**

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

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-134 | Current size C (CSA)          | 10 A   |
| Voltage size C (CSA)          | 300 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

**Conductors for clamping (additional connection)**

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

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**Technical data****Conductors for clamping (rated connection)**

|                                                                                                           |                      |                                                                                                           |                     |
|-----------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                                                | 0.6 x 3.5 mm         | Clamping range, rated connection, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, rated connection, min.                                                                    | 0.13 mm <sup>2</sup> | Clamping screw                                                                                            | M 2.5               |
| Connection direction                                                                                      | on side              | Gauge to IEC 60947-1                                                                                      | A3                  |
| Number of connections                                                                                     | 6                    | Stripping length                                                                                          | 7 mm                |
| Tightening torque, max.                                                                                   | 0.6 Nm               | Tightening torque, min.                                                                                   | 0.4 Nm              |
| Torque level with DMS electric screwdriver                                                                | 1                    | Type of connection                                                                                        | Screw connection    |
| Wire connection cross section AWG, max.                                                                   | AWG 12               | Wire connection cross section AWG, min.                                                                   | AWG 26              |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm <sup>2</sup>  | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                                      | 4 mm <sup>2</sup>    | Wire connection cross section, solid core max. rated connection                                           | 4 mm <sup>2</sup>   |
| Wire connection cross section, solid core, min. rated connection                                          | 0.5 mm <sup>2</sup>  | Wire connection cross section, stranded, rated connection, max.                                           | 4 mm <sup>2</sup>   |
| Wire connection cross section, stranded, rated connection, min.                                           | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded, min.                                                      | 0.5 mm <sup>2</sup> |

**PE rating data**

|              |    |
|--------------|----|
| PEN function | No |
|--------------|----|

**Rating data**

|                                 |                     |                                              |         |
|---------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 250 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 24 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 3.99 mΩ |
| Rated impulse withstand voltage | 4 kV                | Pollution severity                           | 3       |

**UL rating data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size D (UR)                     | 10 A   |
| Voltage size D (UR)                     | 300 V  |                                         |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000900    | ETIM 4.0   | EC000900    |
| ETIM 5.0   | EC000900    | ETIM 6.0   | EC000900    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-28 |
| eClass 6.2 | 27-14-11-28 | eClass 7.1 | 27-14-11-28 |
| eClass 8.1 | 27-14-11-28 | eClass 9.0 | 27-14-11-28 |
| eClass 9.1 | 27-14-11-28 |            |             |

**Product information**

|                                 |                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Descriptive text ordering data  | Variant in blue, Order no. 6269250000 (qty. 50)                                                                 |
| Descriptive text technical data | Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector. |
| Descriptive text accessories    | TEAP DLD2.5 DB partial end plate, Order no. 1784220000 (20 pcs.)                                                |

**Data sheet****W-Series  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[DE\\_PT1004\\_20160418\\_158\\_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)**Safety note**

Safety notice

[Safety Information](#)

**Data sheet**

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**Drawings**

