

**DLI 2.5 DB****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

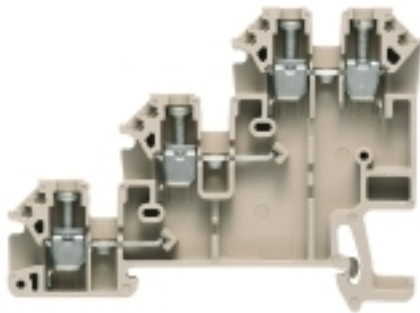
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**Product image**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------|
| Version    | W-Series, Initiator/actuator terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1783820000</a>                                                                         |
| Type       | DLI 2.5 DB                                                                                         |
| GTIN (EAN) | 4032248211494                                                                                      |
| Qty.       | 100 pc(s).                                                                                         |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 48.5 mm    | Depth (inches) | 1.909 inch |
| Depth including DIN rail | 49 mm      | Height         | 66 mm      |
| Height (inches)          | 2.598 inch | Width          | 6.1 mm     |
| Width (inches)           | 0.24 inch  | Net weight     | 9.52 g     |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | 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   |
| Number of clamping points per level | 1                                           | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                          | PE connection                 | No  |
| 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>

## Conductors for clamping (rated connection)

Blade size 0.6 x 3.5 mm

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## Technical data

|                                                      |                                        |                              |                       |        |
|------------------------------------------------------|----------------------------------------|------------------------------|-----------------------|--------|
| Clampable conductor                                  | Connection specification               |                              | Screw connection      |        |
|                                                      | Cross-section for conductor connection | Type                         | solid, H05(07) V-U    |        |
|                                                      |                                        | 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   |
|                                                      |                                        |                              | max.                  | 7 mm   |
|                                                      |                                        |                              | nominal               | 7 mm   |
|                                                      |                                        | Tightening torque            | min.                  | 0.4 Nm |
|                                                      |                                        |                              | max.                  | 0.6 Nm |
|                                                      |                                        | Recommended wire-end ferrule |                       |        |
|                                                      | Connection specification               |                              | Screw connection      |        |
|                                                      | Cross-section for conductor connection | Type                         | stranded, H07V-R      |        |
|                                                      |                                        | 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   |
|                                                      |                                        |                              | max.                  | 7 mm   |
|                                                      |                                        |                              | nominal               | 7 mm   |
|                                                      |                                        | Tightening torque            | min.                  | 0.4 Nm |
|                                                      |                                        |                              | max.                  | 0.6 Nm |
|                                                      |                                        | Recommended wire-end ferrule |                       |        |
|                                                      | 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                  |        |
|                                                      |                                        | max.                         | 7 mm                  |        |
|                                                      |                                        | nominal                      | 7 mm                  |        |
|                                                      | Tightening torque                      | min.                         | 0.4 Nm                |        |
|                                                      |                                        | max.                         | 0.6 Nm                |        |
|                                                      | Recommended wire-end ferrule           |                              |                       |        |
| Clamping range, max.                                 |                                        | 4 mm <sup>2</sup>            |                       |        |
| Clamping range, min.                                 |                                        | 0.13 mm <sup>2</sup>         |                       |        |
| Clamping screw                                       |                                        | M 2.5                        |                       |        |
| Connection cross-section, stranded, max.             |                                        | 4 mm <sup>2</sup>            |                       |        |
| Connection cross-section, stranded, min.             |                                        | 1.5 mm <sup>2</sup>          |                       |        |
| Connection direction                                 |                                        | on side                      |                       |        |
| Gauge to IEC 60947-1                                 |                                        | A3                           |                       |        |
| Number of connections                                |                                        | 4                            |                       |        |
| 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, max. |                                        | 4 mm <sup>2</sup>            |                       |        |
| Wire connection cross section, finely stranded, min. |                                        | 0.5 mm <sup>2</sup>          |                       |        |

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## Technical data

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. 0.5 mm<sup>2</sup>

Wire connection cross-section, solid core, max. 4 mm<sup>2</sup>

Wire connection cross-section, solid core, min. 0.5 mm<sup>2</sup>

## General

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26        |

## Rating data

|                                 |                     |                                              |         |
|---------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 250 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 32 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 4 kV                | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                   | Surge voltage category                       | III     |

## 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 6.0    | EC000900    | ETIM 7.0    | EC000900    |
| ETIM 8.0    | EC000900    | ECLASS 9.0  | 27-14-11-28 |
| ECLASS 9.1  | 27-14-11-28 | ECLASS 10.0 | 27-14-11-28 |
| ECLASS 11.0 | 27-14-11-28 | ECLASS 12.0 | 27-14-11-28 |

## Approvals

Approvals



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

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### Downloads

Approval/Certificate/Document of  
Conformity

[EAC certificate](#)  
[CE Declaration of Conformity](#)  
[CE Declaration of Conformity all terminals](#)  
[UKCA Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Engineering Data

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

User Documentation

[StorageConditionsTerminalBlocks](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

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## Drawings

