

**DLI 2.5/LD-RT/NPN -+ DB****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

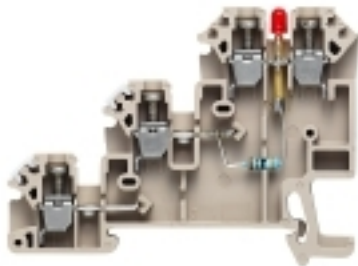
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**Product image**

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="#">1783950000</a>                                                                         |
| Type       | DLI 2.5/LD-RT/NPN -+ DB                                                                            |
| GTIN (EAN) | 4032248212590                                                                                      |
| Qty.       | 50 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     | 10.75 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, with LED, One end without connector | End cover plate required      | Yes   |
| Number of potentials                | 2                                                     | Number of levels              | 3     |
| Number of clamping points per level | 1                                                     | Number of potentials per tier | 1     |
| PE connection                       | No                                                    | Rail                          | TS 35 |
| N-function                          | No                                                    | PE function                   | No    |
| PEN function                        | No                                                    |                               |       |

**Additional technical data**

|                             |         |                          |       |
|-----------------------------|---------|--------------------------|-------|
| Electronic component        | red LED | 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 B (CSA)          | 10 A   |
| Current size C (CSA)          | 10 A      | Current size D (CSA)          | 10 A   |
| Voltage size B (CSA)          | 30 V      | Voltage size C (CSA)          | 30 V   |
| Voltage size D (CSA)          | 30 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                                | 30 V    |
| Rated current                   | 24 A                | Current at maximum wires                     | 24 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 0.8 kV              | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| 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 |                                         |        |

**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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|                                             |                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                 |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                    |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                 |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                        |
| Brochures                                   |                                                                                                                                                                                                 |

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## Drawings

