# W-Series
# DLI 2.5/LD-RT/PNP +- DB

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
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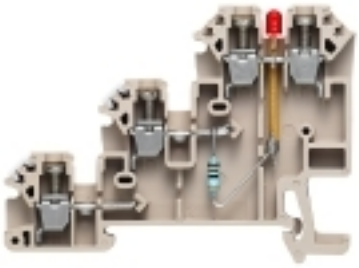
www.weidmueller.com

## Product image



**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 | DLI 2.5/LD-RT/PNP +- DB |
| Order No. | 1783980000 |
| Version | W-Series, Initiator/actuator terminal, Rated cross-section: 2.5 mm², Screw connection |
| GTIN (EAN) | 4032248212613 |
| Qty. | 100 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Width | 6.1 mm | Width (inches) | 0.24 inch |
| Height | 66 mm | Height (inches) | 2.598 inch |
| Depth | 48.5 mm | Depth (inches) | 1.909 inch |
| Depth including DIN rail | 49 mm | Net weight | 10.78 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, with LED, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.4...0.6 Nm |
| End cover plate required | Yes | Number of potentials | 2 |
| Number of levels | 3 | No. of clamping points per level | 1 |
| Number of potentials per tier | 1 | PE connection | No |
| Mounting 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 mm² |

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## Technical data

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 4 mm² |
| Clamping range, min. | 0.13 mm² | Clamping screw | M 2.5 |
| Connection cross-section, stranded, max. | 4 mm² | Connection cross-section, stranded, min. | 1.5 mm² |
| 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 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² | Wire connection cross-section, finely stranded, min. | 0.5 mm² |
| Wire connection cross-section, solid core, max. | 4 mm² | Wire connection cross-section, solid core, min. | 0.5 mm² |

### Display element

| | | | |
|---|---|---|---|
| Current | 5 mA | Indicator element | red |
| Operating voltage for display, max. | 30 V | Operating voltage for display, min. | 5 V |
| Type of voltage for indicator | DC | | |

### PE rating data

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

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | 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 | 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 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 | | |

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## Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DE_PT1004_20160418_164_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |

### Safety note

| | |
|---|---|
| Safety notice | Safety Information |

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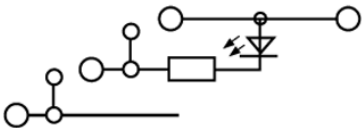
## Drawings



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## Accessories

### Cross-connections

**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 | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| Q 2 DLI | 1312500000 | SAK Series, Cross-connector, for cross-connection link, No. of poles: 2 | 4008190039837 | 50 pc(s). |
| Q 4 DLI | 1312700000 | SAK Series, Cross-connector, for cross-connection link, No. of poles: 4 | 4008190162122 | 50 pc(s). |
| Q 10 DLI | 1313100000 | SAK Series, Cross-connector, for cross-connection link, No. of poles: 10 | 4008190167622 | 20 pc(s). |
| VQB 1.5/50 RT | 1633290000 | SAK Series, Cross-connector bridge, for cross-connection link, No. of poles: 50 | 4008190257750 | 5 pc(s). |
| VQB 1.5/50 SW | 1635120000 | SAK Series, Cross-connector bridge, for cross-connection link, No. of poles: 50 | 4008190262761 | 5 pc(s). |
| VQB 1.5/50 BL | 1633280000 | SAK Series, Cross-connector bridge, for cross-connection link, No. of poles: 50 | 4008190257743 | 5 pc(s). |
| QL 2 DLI | 0297200000 | SAK Series, Cross-connection lug, for screwable cross-connection, No. of poles: 2 | 4008190057176 | 100 pc(s). |
| Q 3 DLI | 1312600000 | SAK Series, Cross-connector, for cross-connection link, No. of poles: 3 | 4008190024604 | 50 pc(s). |
| Q 20 DLI | 1399800000 | SAK Series, Cross-connector, for cross-connection link, No. of poles: 20 | 4008190070670 | 20 pc(s). |

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## Accessories

### Small partition

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

#### General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| TSCH 1 | 0319160000 | SAK Series, Small partition, Beige, 2 mm | 4008190097219 | 100 pc(s). |

### Group tag holders for S10

The various terminal markers from Weidmüller enable users to solve virtually every labelling task on all types of lines. Whether several lines of labelling, ready-to-use markers with standard printing, or individual labelling, whether white or coloured markers or common designations at the clamping points, the comprehensive range of products represent the easy, quick and clear answer to every marking task.

#### General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|---|---|
| Discontinued | 2014-01-01T00:00:00+01:00 | WT 4 F.S10 | 1341060000 | Group marker, Terminal marker, 4.5 x 5 mm, Pitch in mm (P): 5.00 White | 4008190163648 | 100 pc(s). |

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## Accessories

### Connection sleeves

VH 12/4.9/3.3 024900

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#### General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| VH 4.2/4/2.8 DLI2.5 | 1345800000 | SAK Series, Connecting sleeve, for cross-connection link, No. of poles: 1 | 4008190070403 | 100 pc(s). |

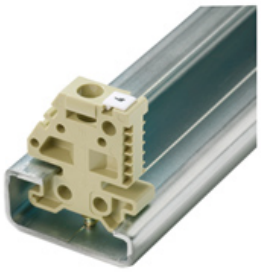
### Covers

**Building installation wiring**
For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

#### General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| ADP 3/HP3 1M | 0485400000 | SAK Series, Cover profile, Transparent, 1000 mm | 4008190023928 | 1 m |

### End bracket



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#### General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| EW 35 | 0383560000 | Accessories, End bracket | 4008190181314 | 50 pc(s). |

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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 | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| DEK 5/6 MC NE WS | 1609820000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, White | 4008190203436 | 1,000 pc(s). |

### Holding plates

**Building installation wiring**
For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

#### General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| HP 4 ADP3 | 0485860000 | SAK Series, Fixing plate, Beige, 3 mm | 4008190151096 | 20 pc(s). |

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## Accessories

### Custom printing



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- 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 | Order No. | Version | GTIN (EAN) | Qty. |
|---|---|---|---|---|
| DEK 5/6 MC SDR | 1609830000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, To customer specification | 4008190456603 | 200 pc(s). |

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