

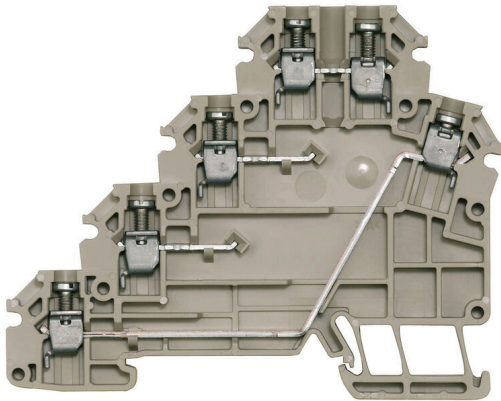
VLI 1.5 DB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 1.5 mm ² , 17.5 A, 250 V, Number of connections: 6, Number of levels: 4, TS 35 |
| Order No. | 1784120000 |
| Type | VLI 1.5 DB |
| GTIN (EAN) | 4032248212439 |
| Qty. | 50 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 63 mm | Depth (inches) | 2.4803 inch |
| Depth including DIN rail | 64 mm | Height | 79.5 mm |
| Height (inches) | 3.1299 inch | Width | 6.15 mm |
| Width (inches) | 0.2421 inch | Net weight | 17.28 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °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, One end without connector | End cover plate required | Yes |
| Number of potentials | 4 | Number of levels | 4 |
| Number 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

| | | | |
|------------------|---------|--------------------------|----|
| Open sides | right | Explosion-tested version | No |
| Type of mounting | Snap-on | | |

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 | 8 mm |
| Type of connection 2 | Screw connection |

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| | | | |
|---|--|-----------------------|---------------------|
| Type of connection | Screw connection | | |
| Number of connections | 6 | | |
| Clamping range, max. | 4 mm ² | | |
| Clamping range, min. | 0.13 mm ² | | |
| 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, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm ² | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | | |
| Connection cross-section, stranded, max. | 2.5 mm ² | | |
| Connection cross-section, stranded, min. | 0.13 mm ² | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | |
| Connection cross-section, finely stranded, min. | 0.13 mm ² | | |
| Clampable conductor | Connection specification | Screw connection | |
| | Cross-section for conductor connection | Type | solid, H05(07) V-U |
| | | min. | 0.5 mm ² |
| | | max. | 4 mm ² |
| | | nominal | 1.5 mm ² |
| | wire end ferrule | Stripping length | min. 8 mm |
| | | | max. 8 mm |
| | | | nominal 8 mm |
| | | Tightening torque | min. 0.4 Nm |
| | | | max. 0.6 Nm |
| | Connection specification | Screw connection | |
| | Cross-section for conductor connection | Type | stranded, H07V-R |
| | | min. | 0.5 mm ² |
| | | max. | 2.5 mm ² |
| | | nominal | 1.5 mm ² |
| wire end ferrule | Stripping length | min. 8 mm | |
| | | max. 8 mm | |
| | | nominal 8 mm | |
| | Tightening torque | min. 0.4 Nm | |
| | | max. 0.6 Nm | |
| Connection specification | Screw connection | | |
| Cross-section for conductor connection | Type | flexible, H05(07) V-K | |
| | min. | 0.5 mm ² | |
| | max. | 4 mm ² | |
| | nominal | 1.5 mm ² | |
| wire end ferrule | Stripping length | min. 8 mm | |
| | | max. 8 mm | |

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| | | |
|-------------------|---------|--------|
| Tightening torque | nominal | 8 mm |
| | min. | 0.4 Nm |
| | max. | 0.6 Nm |

General

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

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 1.5 mm ² | Rated voltage | 250 V |
| Rated DC voltage | 250 V | Nominal current | 17.5 A |
| Current at maximum wires | 24 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ | Rated impulse withstand voltage | 4 kV |
| Power loss in accordance with IEC 60947-7-x | 0.56 W | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000900 | ETIM 9.0 | EC000900 |
| ETIM 10.0 | EC000900 | ECLASS 14.0 | 27-25-01-12 |
| ECLASS 15.0 | 27-25-01-12 | | |

Drawings

