

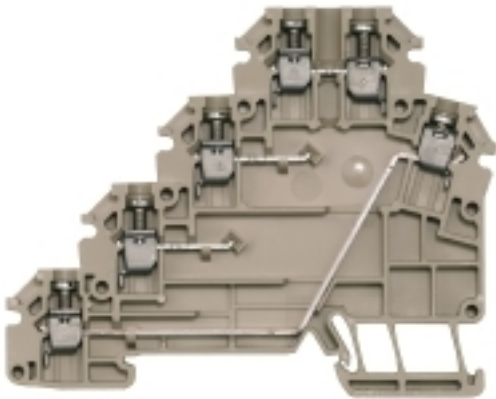
**VLI 1.5 DB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

|            |  |
|------------|--|
| Version    | W-Series, Initiator/actuator terminal, Rated cross-section: 1.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1784120000</a>   |
| Type       | VLI 1.5 DB   |
| GTIN (EAN) | 4032248212439  |
| Qty.       | 50 pc(s).  |

Creation date March 25, 2021 7:43:43 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

## VLI 1.5 DB

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

### Dimensions and weights

|                          |           |                |            |
|--------------------------|-----------|----------------|------------|
| Depth                    | 63 mm     | Depth (inches) | 2.48 inch  |
| Depth including DIN rail | 64 mm     | Height         | 79.5 mm    |
| Height (inches)          | 3.13 inch | Net weight     | 17.28 g    |
| Width                    | 6.15 mm   | Width (inches) | 0.242 inch |

### Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120            |                                  |        |

### 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                | 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  |
| Rail                                | TS 35                                       | N-function                    | No  |
| PE function                         | No  | PEN function                  | No  |

### Additional technical data

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

### Conductors for clamping (rated connection)

|            |              |
|------------|--------------|
| Blade size | 0.6 x 3.5 mm |
|------------|--------------|

## VLI 1.5 DB

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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               | 1.5 mm <sup>2</sup> |        |
|   | wire end ferrule                       | Stripping length      | min.                | 8 mm   |
|   |  |                       | max.                | 8 mm   |
|   |  |                       | nominal             | 8 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.                                   | 0.5 mm <sup>2</sup>   |                     |        |
|   | max.                                   | 2.5 mm <sup>2</sup>   |                     |        |
|   | nominal                                | 1.5 mm <sup>2</sup>   |                     |        |
| wire end ferrule  | Stripping length                       | min.                  | 8 mm                |        |
|   |  | max.                  | 8 mm                |        |
|   |  | nominal               | 8 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                                | 1.5 mm <sup>2</sup>   |                     |        |
| wire end ferrule  | Stripping length                       | min.                  | 8 mm                |        |
|   |  | max.                  | 8 mm                |        |
|   |  | nominal               | 8 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.  | 2.5 mm <sup>2</sup>                    |                       |                     |        |
| Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup>                    |                       |                     |        |
| Connection direction  | on side                                |                       |                     |        |
| Gauge to IEC 60947-1  | A3                                     |                       |                     |        |
| Number of connections   | 6                                      |                       |                     |        |
| Stripping length  | 8 mm                                   |                       |                     |        |
| Tightening torque, max.   | 0.6 Nm                                 |                       |                     |        |
| Tightening torque, min.   | 0.4 Nm                                 |                       |                     |        |
| Type of connection  | Screw connection                       |                       |                     |        |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>                      |                       |                     |        |
| 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>                    |                       |                     |        |

## VLI 1.5 DB

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

|   |                     |
|---|---------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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 |
|------|-------|-----------|---------------|

## Rating data

|  |         |                                 |                     |
|--|---------|---------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x  | 0.56 W  | Rated cross-section             | 1.5 mm <sup>2</sup> |
| Rated voltage                                | 250     | Rated 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                |
| 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)   | 26 AWG | Current size D (UR)                     | 10 A   |
| UL_current_Print                        | 10 A   | UL_voltage_Print                        | 300 V  |
| UL_wire_max_Print                       | 12 AWG | UL_wire_min_Print                       | 26 AWG |
| Voltage size D (UR)                     | 300 V  |   |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000900    | ETIM 7.0    | 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 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

## Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |

Creation date March 25, 2021 7:43:44 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

4