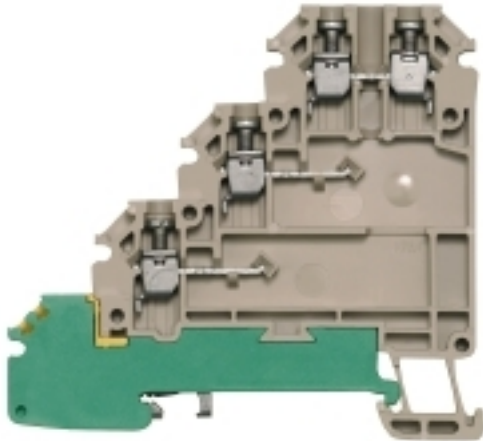


**VLI 1.5/PE DB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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="#">1784130000</a>                                                                         |
| Type       | VLI 1.5/PE DB                                                                                      |
| GTIN (EAN) | 4032248190102                                                                                      |
| Qty.       | 50 pc(s).                                                                                          |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 63 mm      | Depth (inches) | 2.48 inch  |
| Depth including DIN rail | 64 mm      | Height         | 69 mm      |
| Height (inches)          | 2.717 inch | Net weight     | 18.92 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, With PE 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                 | Yes |
| Rail                                | TS 35                                                           | N-function                    | No  |
| PE function                         | Yes                                                             | 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 |
|------------|--------------|

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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                      | 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>          |                       |        |

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|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| 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 (-7-2) |
|------|-------|-----------|----------------------|

## Rating data

|                                             |        |
|---------------------------------------------|--------|
| Power loss in accordance with IEC 60947-7-x | 0.56 W |
|---------------------------------------------|--------|

|               |     |
|---------------|-----|
| Rated voltage | 250 |
|---------------|-----|

|                          |      |
|--------------------------|------|
| Current at maximum wires | 24 A |
|--------------------------|------|

|                                              |         |
|----------------------------------------------|---------|
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ |
|----------------------------------------------|---------|

|                    |   |
|--------------------|---|
| Pollution severity | 3 |
|--------------------|---|

|                     |                     |
|---------------------|---------------------|
| Rated cross-section | 1.5 mm <sup>2</sup> |
|---------------------|---------------------|

|               |        |
|---------------|--------|
| Rated current | 17.5 A |
|---------------|--------|

|           |                      |
|-----------|----------------------|
| Standards | IEC 60947-7-1 (-7-2) |
|-----------|----------------------|

|                                 |      |
|---------------------------------|------|
| Rated impulse withstand voltage | 4 kV |
|---------------------------------|------|

## UL rating data

|                      |        |
|----------------------|--------|
| Certificate No. (UR) | E60693 |
|----------------------|--------|

|                                         |        |
|-----------------------------------------|--------|
| Conductor size Factory wiring min. (UR) | 26 AWG |
|-----------------------------------------|--------|

|                                       |        |
|---------------------------------------|--------|
| Conductor size Field wiring min. (UR) | 26 AWG |
|---------------------------------------|--------|

|                  |      |
|------------------|------|
| UL_current_Print | 10 A |
|------------------|------|

|                   |        |
|-------------------|--------|
| UL_wire_max_Print | 12 AWG |
|-------------------|--------|

|                     |       |
|---------------------|-------|
| Voltage size D (UR) | 300 V |
|---------------------|-------|

|                                         |        |
|-----------------------------------------|--------|
| Conductor size Factory wiring max. (UR) | 12 AWG |
|-----------------------------------------|--------|

|                                       |        |
|---------------------------------------|--------|
| Conductor size Field wiring max. (UR) | 12 AWG |
|---------------------------------------|--------|

|                     |      |
|---------------------|------|
| Current size D (UR) | 10 A |
|---------------------|------|

|                  |       |
|------------------|-------|
| UL_voltage_Print | 300 V |
|------------------|-------|

|                   |        |
|-------------------|--------|
| UL_wire_min_Print | 26 AWG |
|-------------------|--------|

## Classifications

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

|            |             |
|------------|-------------|
| ECLASS 9.0 | 27-14-11-28 |
|------------|-------------|

|             |             |
|-------------|-------------|
| ECLASS 10.0 | 27-14-11-28 |
|-------------|-------------|

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

|            |             |
|------------|-------------|
| ECLASS 9.1 | 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> |
|--------------------|-------------------------------------------------|