

**Multipin terminal strip  
BK 6/E**

**Weidmüller Interface GmbH & Co. KG**  
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**Product image****Klippon® Connect with clamping yoke Technology**

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**

|            |                                                                                                                                            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | BK 6/E                                                                                                                                     |
| Order No.  | <a href="#">7906090000</a>                                                                                                                 |
| Version    | Multipin terminal strip, Single- and multi-pole terminal strip, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Direct mounting |
| GTIN (EAN) | 4008190576295                                                                                                                              |
| Qty.       | 50 pc(s).                                                                                                                                  |

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## Technical data

### Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Width      | 22 mm  | Width (inches)  | 0.866 inch |
| Height     | 52 mm  | Height (inches) | 2.047 inch |
| Depth      | 20 mm  | Depth (inches)  | 0.787 inch |
| Net weight | 38.4 g |                 |            |

### Temperatures

|                                  |                                                                                                   |                                  |               |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|---------------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max.        | 40 °C         |
| Storage temperature, min.        | 10 °C                                                                                             | Storage temperature              | 10 °C...40 °C |
| Continuous operating temp., min. | -60 °C                                                                                            | Continuous operating temp., max. | 130 °C        |

### Material data

|                           |          |        |               |
|---------------------------|----------|--------|---------------|
| Material                  | KrG      | Colour | medium yellow |
| UL 94 flammability rating | V-0, 5VA |        |               |

### Rating data IECEx/ATEX

|                                |                                                                                                   |                                 |                   |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | TUEV18ATEX8209U                                                                                   | Certificate No. (IECEX)         | IECEXTUR18.0019U  |
| Max. voltage (ATEX)            | 275 V                                                                                             | Current (ATEX)                  | 28 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup>                                                                                 | Max. voltage (IECEX)            | 275 V             |
| Current (IECEX)                | 28 A                                                                                              | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7              | Ex eb II C Gb     |
| Ex 2014/34/EU label            | II 2 G D                                                                                          |                                 |                   |

### System specifications

|         |                        |                          |    |
|---------|------------------------|--------------------------|----|
| Version | For the mounting rails | End cover plate required | No |
|---------|------------------------|--------------------------|----|

### Additional technical data

|                          |                 |                     |                 |
|--------------------------|-----------------|---------------------|-----------------|
| Explosion-tested version | No              | Installation advice | Direct mounting |
| Type of mounting         | Direct mounting |                     |                 |

### CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-2165696 | Current size B (CSA)          | 10 A   |
| Current size D (CSA)          | 10 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 22 AWG         |                               |        |

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**Technical data****Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 4.0 x 0.8 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.33 mm <sup>2</sup> | Clamping screw                                                                          | M 3                 |
| 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                                                                   | 12                   | Stripping length                                                                        | 8 mm                |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.5 Nm              |
| Torque level with DMS electric screwdriver                                              | 2                    | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 22              |
| 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. | 4 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, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 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, finely stranded, 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> |

**Rating data**

|                     |                   |                                 |       |
|---------------------|-------------------|---------------------------------|-------|
| Rated cross-section | 4 mm <sup>2</sup> | Rated voltage                   | 400 V |
| Rated current       | 32 A              | Current at maximum wires        | 32 A  |
| Standards           | IEC 60947-7-1     | Rated impulse withstand voltage | 6 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 | Current size B (UR)                     | 20 A   |
| Current size C (UR)                     | 20 A   | Current size D (UR)                     | 10 A   |
| Voltage size B (UR)                     | 250 V  | Voltage size C (UR)                     | 150 V  |
| Voltage size D (UR)                     | 300 V  | Wire cross section max. (UR)            | 12 AWG |
| Wire cross section min. (UR)            | 22 AWG |                                         |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | ETIM 4.0   | EC001284    |
| ETIM 5.0   | EC001284    | ETIM 6.0   | EC001284    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-06 |
| eClass 6.2 | 27-14-11-06 | eClass 7.1 | 27-14-11-06 |
| eClass 8.1 | 27-14-11-06 | eClass 9.0 | 27-14-11-06 |
| eClass 9.1 | 27-14-11-06 |            |             |

**Approvals**

Approvals



ROHS

Conform

Creation date May 28, 2019 2:30:53 PM CEST

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### Downloads

|                                             |                                                                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation Of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">DE_PT1431_20160418_066_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                                                      |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                             |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                     |
| User Documentation                          | <a href="#">NTI BK 2-12/E</a>                                                                                                                                            |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|