

**Multipin terminal strip  
BK 6/E**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



Multi-pole terminal strips have been part of the Weidmüller portfolio for many years. The terminal rails can be screwed directly to the housing. A retightening of the clamping screw when setting the wire is not needed with these terminals. The terminal strips are available in the materials KRG and PA and with different connection systems.

**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).                                                                                                                                  |

**Multipin terminal strip  
BK 6/E**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technische Daten**
**Dimensions and weights**

|            |        |                          |       |
|------------|--------|--------------------------|-------|
| Length     | 52 mm  | Width                    | 22 mm |
| Height     | 20 mm  | Height of lowest version | 20 mm |
| Net weight | 38.4 g |                          |       |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature            |        | Storage temperature              |        |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

**Rated data IECEx/ATEX**

|                           |                          |                                |                                                                                                   |
|---------------------------|--------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Certificate No. (ATEX)    | SIRA01ATEX3247U          | ATEX certificate               | SIRA01ATEX3247U_d.pdf                                                                             |
| ATEX certificate          | SIRA01ATEX3247U_e.pdf    | Certificate No. (IECEX)        | IECEXSIR05.0035U                                                                                  |
| IEC Ex certificate        | IECEXSIR05.0035U_e.pdf   | Max. voltage (ATEX)            | 275 V                                                                                             |
| Current (ATEX)            | 28 A                     | Wire cross section max. (ATEX) | 4 mm <sup>2</sup>                                                                                 |
| Voltage, cross-connection |                          | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                           | CrossConnectionGuide.pdf |                                |                                                                                                   |
| Marking EN 60079-7        | Ex e II                  | Marking ATEX Directive 94/9/EC | II 2 G D                                                                                          |

**Additional technical data**

|                          |                 |                     |                        |
|--------------------------|-----------------|---------------------|------------------------|
| Explosion-tested version | No              | Installation advice | Direct mounting        |
| Type of mounting         | Direct mounting | Version             | For the mounting rails |

**CSA ratings data**

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

## Multipin terminal strip BK 6/E

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technische Daten

### Clampable wires (rated connection)

|                                                                                                                                       |                     |                                                                                                                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                                    | Screw connection    | Stripping length                                                                                                              | 8 mm                 |
| Blade size                                                                                                                            | 4.0 x 0.8 mm        | Connection direction                                                                                                          | on side              |
| Number of connections                                                                                                                 | 12                  | Clamping range, rated connection, min.                                                                                        | 0.33 mm <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                                | 4 mm <sup>2</sup>   | Clamping screw                                                                                                                | M 3                  |
| Tightening torque, min.                                                                                                               | 0.5 Nm              | Tightening torque, max.                                                                                                       | 0.6 Nm               |
| Torque level with DMS electric screwdriver                                                                                            | 2                   | Gauge to IEC 60947-1                                                                                                          | A3                   |
| Wire connection cross section, solid core, max. rated connection                                                                      | 0.5 mm <sup>2</sup> | Wire connection cross section, solid core max. rated connection                                                               | 4 mm <sup>2</sup>    |
| Wire connection cross section, stranded, rated connection, min.                                                                       | 1.5 mm <sup>2</sup> | Wire connection cross section, stranded, rated connection, max.                                                               | 4 mm <sup>2</sup>    |
| Wire connection cross section, finely stranded, max.                                                                                  | 4 mm <sup>2</sup>   | Wire connection cross-section, finely stranded, min.                                                                          | 0.5 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                     | 4 mm <sup>2</sup>    |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 4 mm <sup>2</sup>    |
| Wire connection cross section AWG, min.                                                                                               | AWG 22              | Wire connection cross section AWG, max.                                                                                       | AWG 12               |

### Rated data

|                                 |                   |               |               |
|---------------------------------|-------------------|---------------|---------------|
| Rated cross-section             | 4 mm <sup>2</sup> | Rated voltage | 400 V         |
| Rated impulse withstand voltage | 6 kV              | Rated current | 32 A          |
| Current at maximum wires        | 32 A              | Standards     | IEC 60947-7-1 |
| Pollution severity              | 3                 |               |               |

### UL ratings data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Voltage size B (UR)                     | 250 V  |
| Voltage size C (UR)                     | 150 V  | Voltage size D (UR)                     | 300 V  |
| Current size B (UR)                     | 20 A   | Current size C (UR)                     | 20 A   |
| Current size D (UR)                     | 10 A   | Wire cross section max. (UR)            | 12 AWG |
| Wire cross section min. (UR)            | 22 AWG | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |

### Material data

|                           |     |        |               |
|---------------------------|-----|--------|---------------|
| Material                  | KrG | Colour | Medium Yellow |
| UL 94 flammability rating | 5VA |        |               |

### System specifications

|                          |                         |                       |                  |
|--------------------------|-------------------------|-----------------------|------------------|
| Product family           | Multipin terminal strip | Type of connection    | Screw connection |
| Connection direction     | on side                 | Number of connections | 12               |
| End cover plate required | No                      |                       |                  |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | 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 |            |             |

**Datenblatt****Multipin terminal strip  
BK 6/E**

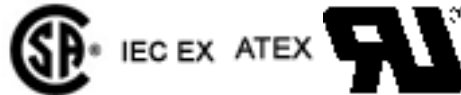
**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technische Daten****Product information**

Descriptive text technical data      Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm<sup>2</sup>) can be connected.

**Approvals**

Approvals



ROHS

Conform