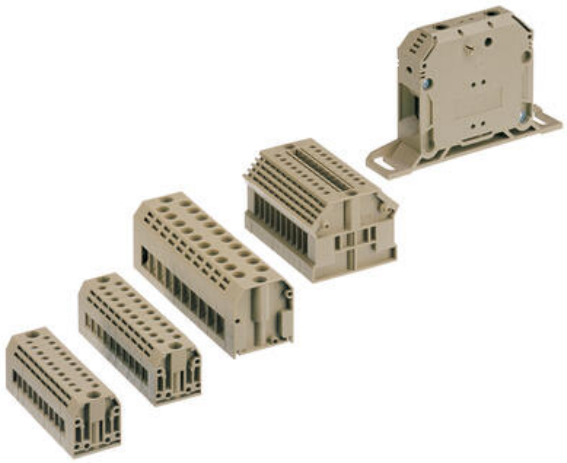
**OEM Automatic Ltd**
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# DIRECT MOUNT SCREW TERMINALS

Direct Mount Screw Terminals -BKA, RD-D

2176.2
BKA 4/10 Beige, 4mm², 10-pole Direct mount compact



- Compact 2.5mm -10mm² versions snap together
- Pre-labeled versions
- RK-D 50mm -240mm² Direct mount
- External cross connectors

### PRODUCT DESCRIPTION

The Direct Mount Screw Terminals are designed for compact and reliable wire termination directly on equipment enclosures or PCB surfaces, eliminating the need for DIN-rail installation. They support copper conductors from 0.5 mm² to approximately 6 mm² (AWG 20–10) and are rated for currents up to around 15 A and voltages up to 600 V, making them compliant with IEC over-voltage category III. Their durable housing offers UL 94 V-0 flame resistance and performance in temperature ranges between –40 °C and +105 °C. The terminals utilise zinc-plated steel screw clamps, tightened to the recommended torque of about 0.8 Nm, ensuring strong, low-resistance connections. Integral test points allow easy system diagnostics without the need to disconnect wiring.
These terminals are perfect for space-sensitive panel work, machine-mounted electrical connections, and control boxes where DIN-rail space is limited or unavailable. The screw-lock mechanism ensures secure contacts under vibration or thermal cycling, which is essential in industrial machinery, HVAC systems, and power distribution units. Their direct-mount design streamlines installations by fastening directly to enclosure walls or PCB standoffs, reducing assembly steps and hardware clutter. With clear marking options and compatibility with ferrules and solid stranded wires, these terminals enable tidy cable management and straightforward maintenance in automation, building services, and compact power systems.

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Rated wire cross section** | 4 mm² |
| **Colour** | Beige |
| **Rated voltage IEC** | 400 V |
| **Rated current IEC** | 32 A |
| **Mounting** | Direct mount |
| **Rated impulse voltage** | 6 kV |
| **Overvoltage category** | III |
| **Contamination degree** | 3 |
| **Approvals** | UL, CSA, KEMA KUR, EAC |

## DIMENSIONS

| | |
|---|---|
| **Length** | 75.3 mm |
| **Height** | 23 mm |

| | |
|---|---|
| **Distance to hole centres** | 68.2 mm |

## CONNECTION DATA

| | |
|---|---|
| **Connections** | 20 |
| **Number of levels** | 1 |
| **Plug gauge acc. EN 60 947-1** | A3 |
| **Cross section single wire from** | 0.2 mm² |
| **Cross section single wire to** | 4 mm² |
| **Cross section stranded wire from** | 0.2 mm² |
| **Cross section stranded wire to** | 4 mm² |
| **Cross section stranded with ferrule from** | 0.2 mm² |
| **Cross section stranded with ferrule to** | 4 mm² |
| **Rated wire cross section from (AWG)** | 22 |
| **Rated wire cross section to (AWG)** | 12 |
| **Stripping length** | 9 mm |
| **Screw size** | M 3 |
| **Screw type** | Slotted |
| **Torque min** | 0.5 |
| **Torque max** | 1 |

## MATERIALS

| | |
|---|---|
| **Insulation material** | Polyamide 6.6 |
| **Flammability class** | UL94-V2 |
| **Operating temperature from** | -40 °C |
| **Operating temperature to** | 105 °C |

## APPROVALS

| | |
|---|---|
| **Rated voltage UL** | 300 V |
| **Rated current UL** | 30 A |
| **UL test standard** | UL 1059 |
| **Rated voltage CSA** | 300 V |
| **Rated current CSA** | 25 A |
| **CSA test standard** | C22.2 No 158 |
| **EAC test standard** | TR ZU 004/2011 |
| **KEMA KEUR test standard** | EN 60947-7-1:2009 |

## ADDITIONAL DATA

| | |
|---|---|
| **Tariff code** | 85369010 |
| **Country of origin** | DE |
| **Weight** | 48.2 g |
| **Pack size** | 20 |

