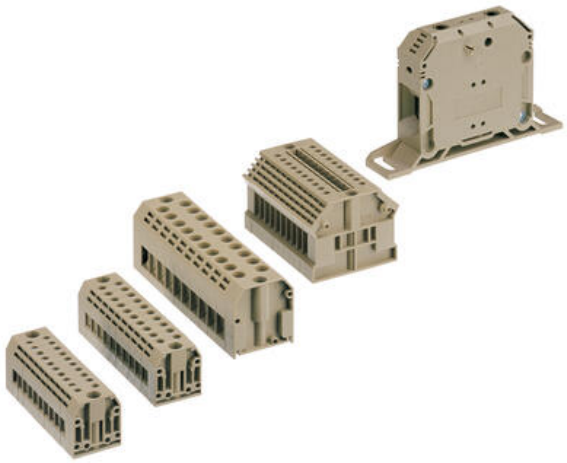
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DIRECT MOUNT SCREW TERMINALS

Direct Mount Screw Terminals -BKA, RD-D

2177.2
BKA 4/12 Beige, 4mm², 12-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	87.4 mm
Height	23 mm

Distance to hole centres	80.3 mm

CONNECTION DATA

Connections	24
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	57 g
Pack size	20

