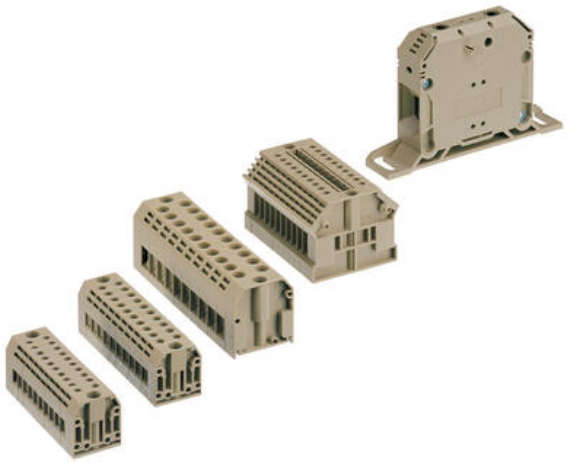
OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

DIRECT MOUNT SCREW TERMINALS

Direct Mount Screw Terminals -BKA, RD-D

1582.9
RK 50-D Red, 50mm² Direct mount feed through terminal



- 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	50 mm²
Colour	Red
Rated voltage IEC	1000 V
Rated current IEC	150 A
Mounting	TS 35
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Approvals	UL, CSA, GL, CSA US, KEMA KUR, EAC
Additional information	with housing pegs and allen screws

DIMENSIONS

Length	109 mm

Width	20 mm
Height TS 35/7.5	65.75 mm

CONNECTION DATA

Connections	2
Number of levels	1
Plug gauge acc. EN 60 947-1	B10
Cross section single wire from	16 mm²
Cross section single wire to	50 mm²
Cross section stranded wire from	25 mm²
Cross section stranded wire to	50 mm²
Cross section stranded with ferrule from	25 mm²
Cross section stranded with ferrule to	50 mm²
Rated wire cross section from (AWG)	6
Rated wire cross section to (AWG)	1/0
Stripping length	27 mm
Screw size	M 6
Screw type	Hexagon/Allen key
Torque min	3
Torque max	6
Banded wire up to	11.8 x 5.0 mm

MATERIALS

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

APPROVALS

Rated voltage UL	600 V
Rated current UL	150 A
UL test standard	UL 1059
Rated voltage CSA	600 V
Rated current CSA	150 A
CSA test standard	C22.2 No 158
Rated voltage CSAus	600 V

Rated current CSAus	150 A
CSAus test standard	UL 1059
GL test standard	IEC 60947-7-1:2002
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	111.2 g
Pack size	10

