

SRC series High Current RCD Protection Assemblies

The SRC series of high current, Modular Residual Current Devices comprise of a Blakley Electrics MRCD series core balance residual current sensor with adjustable sensitivity and time delay working in conjunction with a 4P MCB or MCCB with shunt-trip, in overcurrent ratings from 100A to 800A. Assemblies are housed in sheet steel surface mounting enclosures to IP 54, arranged for bottom cable entry and exit. RCD protection complies with BS EN 60947-2 (annex M), as required by BS7671:2018 (18th Edition IET Wiring Regulations). Protection is classified as Type A and non-standard assemblies providing Type B protection can be supplied in ratings up to 630A (when supplying tower cranes with Variable Speed Drives). The overall assemblies meet the requirements of BS EN 61439-2.

Please see data sheet PDS023 for details of the ARC series of all-insulated high current RCD protection assemblies.

Enclosure

Surface mounting, providing protection to IP54 with a welded-on rain roof, external fixing lugs, a side hinged gasketed door with quick release fasteners and a removable bottom gland plate. The enclosure is fabricated from 1.5 mm sheet steel, painted Poppy Red to BS4800 04E53. The finishing system has been independently type tested to BS EN 61439-4 for Heavily Polluted atmospheres. Other finishes are available to order.

RCD Protection Adjustment Range

100A rating

The sensitivity range is 0.03A to 30A and the time delay range is 0 to 10 seconds.

160A to 800A rating

The sensitivity range is 0.1A to 30A and the time delay range is 0 to 10 seconds.

Supply Voltage

400V TP&N (can be used on 230V SP&N supplies)

Overcurrent Protection

MCBs / MCCBs are manufactured in accordance with BS EN 60947-2 and standard overcurrent ratings range from 100A to 800A.

MCBs / MCCBs are 4P (with switched neutral). All MCCBs have adjustable trips (thermal magnetic or electronic, depending on rating).

Kilowatt Hour Metering

Please see data sheet PDS022 for details of SRC units with integral kWhr meters.

Part Numbers for SRC series

Overcurrent Rating	4 Pole
100A (MCB)	S201019R
160A	S201020R
200A	S201021R
250A	S201022R
400A	S201024R
630A	S201025R
800A	S201032R



Please see our website for dimensioned GA drawings.

Part No. S201021R, 200A 4P