

symbolic image

UK Technical Data 03

DRCBO 4 C or B **/0,03/3+N-A 400V 50Hz

sensitive to pulsating and alternating currents Type A



Function

3 protected pole + 1 switched N pole residual current operated circuit-breakers with integral overcurrent protection (RCBO) for implementing the protective measure "Automatic disconnection of the power supply" as per BS 7671 - 411 and overcurrent protection as per 431.

Features

Sensitive to AC residual currents and pulsating DC residual currents (type A), compact design for all rated currents, high short-circuit resistance, green/red switching position indicator, residual current tripping indicator. Strain-relief clamps and double deck terminals for separate busbar and cable connections.

Mounting

Quick fastening to mounting rail, any installation position, feed in top or bottom.

Applications

For use on three phase live and neutral 400v supplies, neutral conductor on the right. For use in circuits producing type A residual currents.

Only for use in circuits with N conductor - The N conductor is required for operation of the RCBO test circuit.

Note: BS7671 - 531.3.1.202 does not allow an external connection for the purposes of intentionally tripping an RCD.

Short circuit capacity up to 6 kA, available in B or C MCB characteristic.

Sensitive to 50 Hz AC residual currents and pulsating DC residual currents (type A) .

Accessories

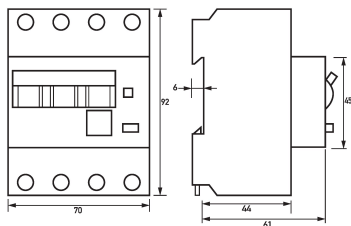
Auxiliary Switches DRCBO 4 Hi

Technical Data

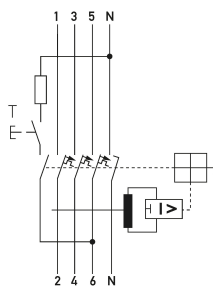
Technical Data	DRCBO 4 B or C **/0,03/3+N-A
Series	DRCBO 4
Number of poles	3+N
Residual current type	A
Rated current (AC)	6A, 10A, 16A, 20A, 25A, 32A, 40A
Rated residual current I Δ n	0.03 A
Short-time delayed	false
Selective	false
min. Operating voltage range of test circuit	100 V
max. Operating voltage range of test circuit	254 V
Tripping characteristic	B or C

Technical Data	DRCBO 4 B or C **/0,03/3+N-A
Operating voltage (AC)	max. 440 V
	Load circuit
Specification	Load switch contact
Rated voltage (AC)	400 V
Rated current (AC)	6A, 10A, 16A, 20A, 25A, 32A, 40A
Rated short-circuit current	6 kA
Surge current strength	0.25 kA
max. total rated switching capacity	6 kA
Rated insulation voltage	440 V
Rated impulse withstand voltage	4 kV
Rated frequency	50 Hz
Current heat loss per current path	6A = 2.1W, 10A = 2.2W, 16A = 2.3W, 20A = 3.1W, 25A = 4.3W, 32A = 5.1W, 40A = 7W
short-circuit backup-fuse SCPD	100 A
Back-up fuse type	gG
Overvoltage class	III
	Screw-type terminal top, bottom (Load circuit)
Neutral conductor position	right
Connection C1 Maximum number of conductors per terminal	2 (conductors of same type and cross-section)
Cross section solid	1-wire: 1 mm ² ... 35 mm ² ; 2-wire: 1 mm ² ... 10 mm ²
Connecting capacity flexible	1-wire: 1 mm ² ... 35 mm ² ; 2-wire: 1 mm ² ... 10 mm ²
Cross section stranded	1-wire: 1 mm ² ... 25 mm ² ; 2-wire: 1 mm ² ... 10 mm ²
	General data
Operating position	any
Electrical endurance	min. 2000 switching cycles
Ambient temperature	-25 °C ... 40 °C
Housing type	Distributor housing
Mounting type	Mounting rail (35 mm)
Housing material	Thermoplastic resin
Protection class	IP20 (installed: IP40)
Width	70 mm (40A = 90 mm)
Height	92 mm
Depth	74 mm
Installation depth	68 mm
Width (modules)	5
Design requirements/Standards	EN 61009-1, EN 61009-2-1, VDE 0664-20
Energy limiting class	3
Degree of pollution according to EN 60664	2

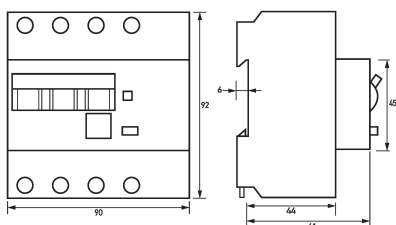
Dimensions 6 - 32 A rating



Wiring example



Dimensions 40 A rating



Wiring diagram

Dimensional drawing Group view