



symbolic image



### Function

1 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 (type AC), 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

### Applications

For use on single phase live and neutral 230v supplies, neutral conductor on the right. For use in circuits producing type AC residual currents.

Short circuit capacity up to 10 kA, available in B or C MCB characteristic.

Sensitive to 50 Hz AC residual currents (type AC) .

### Accessories

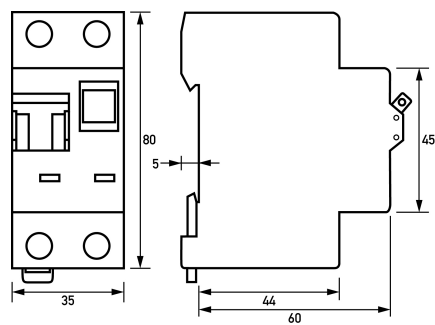
Operating current trips FAM, Auxiliary Switches Hi, Restart locking facilities RH-SS

### Technical Data

Technical Data	DRCBO 3 B or C**/0,03/1N-AC
Series	DRCBO 3
Number of poles	1+N
Residual current type	AC
Rated current (AC)	Refer to the individual product reference, data sheet available on request
Rated residual current I $\Delta$ n	0.03 A
Short-time delayed	false

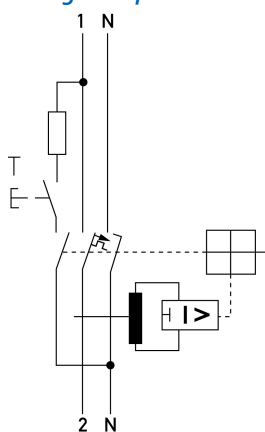
Technical Data	DRCBO 3 B or C**/0,03/1N-AC
Selective	false
min. Operating voltage range of test circuit	196 V
max. Operating voltage range of test circuit	253 V
Neutral conductor position	right
Tripping characteristic	B or C
Over voltage category	III
	Load circuit
Specification	Load switch contact
Rated voltage (AC)	230 V
Overvoltage class	III
Rated current (AC)	Refer to the individual product reference, data sheet available on request
Rated short-circuit current	10 kA
max. Output O1 total rated switching capacity	10 kA
Rated insulation voltage	440 V
Rated impulse withstand voltage	4 kV
Rated frequency	50 Hz
Current heat loss per current path	0.9 W
short-circuit backup-fuse SCPD	100 A
Back-up fuse type	gG
	Screw-type terminal top, bottom (Load circuit)
Connection C1 Maximum number of conductors per terminal	2 (conductors of same type and cross-section)
Cross section solid	1-wire: 1 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Connecting capacity flexible	1-wire: 1 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Cross section stranded	1-wire: 1 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Tightening torque	2 Nm ... 2.4 Nm
General data description	General data
Mechanical endurance	min. 10000 cycles
Electrical endurance	min. 4000 cycles
Storage temperature	-35 °C ... 60 °C
Ambient temperature	-25 °C ... 40 °C
Climate resistance	According to IEC 68-2 (25–55°C / 90–95% RH)
Housing type	Distributor housing
Mounting type	Mounting rail
Housing material	Thermoplastic resin
Protection class	IP20 (installed: IP40)
Width	35 mm
Height	80 mm
Depth	74 mm
Installation depth	68 mm
Width (modules)	2
Design requirements/Standards	EN 61009-1, EN 61009-2-1
Energy limiting class	3
Degree of pollution according to EN 60664	2

### Dimensions



Dimensional drawing Group view

### Wiring example



Wiring diagram