

symbolic image

UK Technical Data

*DRCBO 3 B / C or D curve ** 1N -F 230v 50Hz*

sensitive to residual currents Type F

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

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

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

Accessories

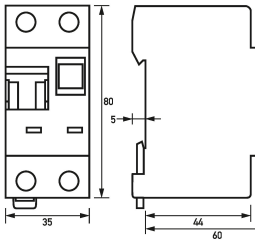
auxiliary switches DHi, wiring components RCCB and MCB busbars 2-pole, wiring components RCCB and MCB busbars 4-pole, operating current trip FAM, auxiliary switches Hi, restart locks RH-SPE

Technical Data

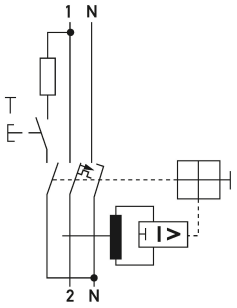
Technical Data	DRCBO 3 B, C or D ** 1N-F
Series	DRCBO 3
Number of poles	1+N
Residual current type	F
Rated current (AC)	Refer to the individual product reference, data sheet available on request
Rated residual current IΔn	Refer to the individual product reference, data sheet available on request
Short-time delayed	true
Selective	false
min. Operating voltage range of test circuit	196 V

Technical Data	DRCBO 3 B, C or D ** 1N-F
max. Operating voltage range of test circuit	253 V
Tripping characteristic	B, C or D
	Load circuit
Specification	Load disconnect contact
Rated voltage (AC)	230 V
Rated current (AC)	Refer to the individual product reference, data sheet available on request
Rated short-circuit current	10 kA
Surge current strength	Refer to the individual product reference, data sheet available on request
max. 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	Refer to the individual product reference, data sheet available on request
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 mm² ... 25 mm²
Connecting capacity flexible	1-wire: 1 mm² ... 16 mm²
Cross section stranded	1-wire: 1 mm² ... 16 mm²
Tightening torque	2 Nm ... 2.4 Nm
	General data
Mechanical endurance	min. 10000 switching cycles
Electrical endurance	min. 4000 switching cycles
Storage temperature	-35 °C ... 60 °C
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	35 mm
Height	80 mm
Depth	74 mm
Installation depth	68 mm
Width (modules)	2
Weight	0.21kg
Energy limiting class	3
Degree of pollution according to EN 60664	2

Dimensions



Dimensional drawing Group view



Wiring diagram