



symbolic image

UK Technical Data 04

DMCB 2 C 80 < 125A

C characteristic,



Function

Circuit-breakers to EN60947-2, designed for implementing overcurrent protection as per BS 7671 - 431.

Features

Wide range of types, one to four-pole, available in different rated currents, high short-circuit switching capacity, double-sided U-clamp terminals for large conductor cross-section and busbar, switch position indicator

Mounting

Quick fastening to mounting rail, any installation position

Applications

Suitable for use in industrial facilities and purpose-built buildings or buildings for commercial use

Accessories

Auxiliary Switches DMCB 2 Hi, Operating current trips DMCB 2 ASA

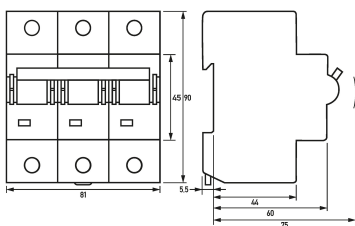
Technical Data

Technical Data	DMCB 2 C***.*
Series	DMCB 2
Number of poles	1 to 4
Tripping characteristic	C
Range of overload tripping	1.13 ... 1.45
Range of short-circuit tripping	5 ... 10
Reference temperature thermal release	40 °C
	Load circuit
Specification	Load switch contact
Rated voltage (AC)	230 V, 400 V
Rated voltage (DC)	60 V
Rated current (AC)	Refer to the individual product reference, data sheet available on request
rated current range In	80 - 125 A
Rated short-circuit current	See table page 2
Rated insulation voltage	440 V
Rated impulse withstand voltage	4 kV
Rated frequency	50 Hz, 60 Hz

Technical Data	DMCB 2 C***.*
Current heat loss per current path	Refer to the individual product reference, data sheet available on request
short-circuit backup-fuse SCPD	200 A
Back-up fuse type	gL
Overvoltage class	III
Protection against direct contact	undetachable lift terminal top and bottom (Load circuit) DGVV V ₃ , ÖVE-EN 6, finger-safe and safe for back-of-hand
Clamping area	2.5 mm ² ... 50 mm ²
Connection C ₁ Maximum number of conductors per terminal	(conductors of same type and cross-section)
Cross section solid	1-wire: 2 mm ² ... 50 mm ²
Tightening torque	2.5 Nm ... 3 Nm
General data	
Operating position	any
Mechanical endurance	min. 20000 switching cycles
Storage temperature	-25 °C ... 55 °C
Ambient temperature	-25 °C ... 50 °C
Climate resistance	damp/heat: constant as per IEC 68-2-3, cyclical as per IEC 68-2-30
Housing type	Distributor housing
Mounting type	Mounting rail (35 mm)
Housing material	Thermoplastic resin
Protection class	IP20
sealable	true
Width	81 mm
Height	90 mm
Depth	71.5 mm
Installation depth	70 mm
Width (modules)	1.5 per pole
Design requirements/Standards	EN 60947-2
Power limitation category	3
Degree of pollution according to EN 60664	2

Dimensions

Dimensional drawing Group view



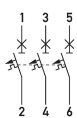
1 pole <230V AC "C" Icu/Ics see below					
Time/Current characteristic: C (curve)					
Modules	Poles	Amps	Icu kA	Ics kA	Reference
1.5	1	80	20	10	DMCB2-C80-1
1.5	1	100	20	10	DMCB2-C100-1
1.5	1	125	15	7.5	DMCB2-C125-1

2 pole <400V AC "C" Icu/Ics see below					
Time/Current characteristic: C (curve)					
Modules	Poles	Amps	Icu kA	Ics kA	Reference
3	2	80	20	10	DMCB2-C80-2
3	2	100	20	10	DMCB2-C100-2
3	2	125	15	7.5	DMCB2-C125-2

3 pole <400V AC "C" Icu/Ics see below					
Time/Current characteristic: C (curve)					
Modules	Poles	Amps	Icu kA	Ics kA	Reference
4.5	3	80	20	10	DMCB2-C80-3
4.5	3	100	20	10	DMCB2-C100-3
4.5	3	125	15	7.5	DMCB2-C125-3

4 pole <400V AC "C" Icu/Ics see below					
Time/Current characteristic: C (curve)					
Modules	Poles	Amps	Icu kA	Ics kA	Reference
6	4	80	20	10	DMCB2-C80-4
6	4	100	20	10	DMCB2-C100-4
6	4	125	15	7.5	DMCB2-C125-4

Wiring example



Wiring diagram