

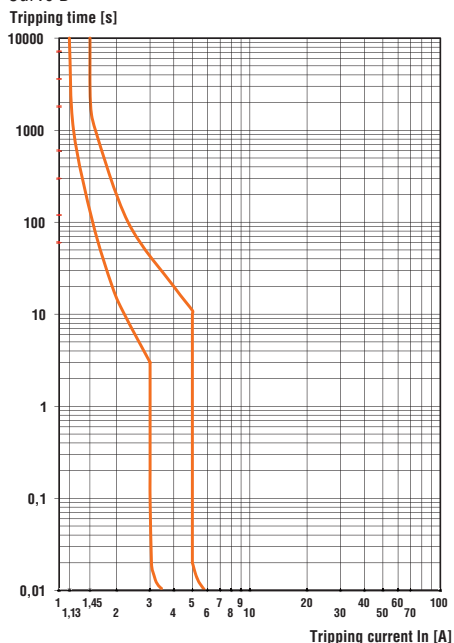
TYPE		P1 MB	P2 MB	P1 RA	P1 RC	P1 RB
Description		Circuit breaker	Circuit breaker	Residual blocks	Residual current operated circuit breakers	Residual current operated circuit breakers w/ overcurrent prot.
Standards		IEC/EN 60898, IEC/EN 60947-2 UL 1077 UL 489 ^①	IEC/EN 60947-2	IEC/EN 61008-1	IEC/EN 61008-1	IEC/EN 61009-1
IEC rated insulation voltage U_i	V	440	400	400	400	400
IEC rated impulse withstand voltage U_{imp}	kV	4	6	4	4	4
IEC rated operational voltage U_e	in AC	230 (1P, 1P+N) / 230/400 (2P, 3P, 4P)	230 (1P) / 230/400 (2P, 3P, 4P)	230/400V	230 (2P) / 230/400(4P)	230
	in DC	60 (1P) / 80 (2P)	60	—	—	—
Rated frequency	Hz	50/60	50/60	50/60	50/60	50/60
Maximum rated current	A	63	125	63	40	40
Available rated current for types	A	1, 2, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 ^②	80, 100, 125	40, 63	25, 40, 63 (80A only type B)	6, 10, 16, 20, 25, 32, 40
Versions		1P, 1P+N, 2P, 3P, 4P	1P, 2P, 3P, 4P	2P, 3P, 4P	2P, 4P	1P+N
Tripping characteristic	curve	B-C-D	C-D	—	—	C
Instantaneous tripping		Curve B: 3...5In Curve C: 5...10In Curve D: 10...14In	Curve C: 5...10In Curve D: 10...14In	—	—	Curve C: 5...10In
Residual operation characteristic	type	—	—	A	AC, A, B	AC, A
Rated residual current $I_{\Delta n}$	mA	—	—	30, 300	30, 300	30, 300
Short circuit capacity	kA	10 (6kA 1P+N)	10	—	10 (Inc)	10
Mechanical life	cycle	20,000	10,000	20,000	20,000	20,000
Maximum tightening torque of terminals	Nm	2	3	2	2	2
	lbin	15	26	15	15	15
	Tool	Pz2	Pz2	Pz2	Pz2	Pz2
Conductor section min...max.	mm ²	1...16	2.5...50	1...16	2.5...35	1...25
	AWG	14...6	14...1/0	14...6	14...2	16...3

AMBIENT CONDITIONS

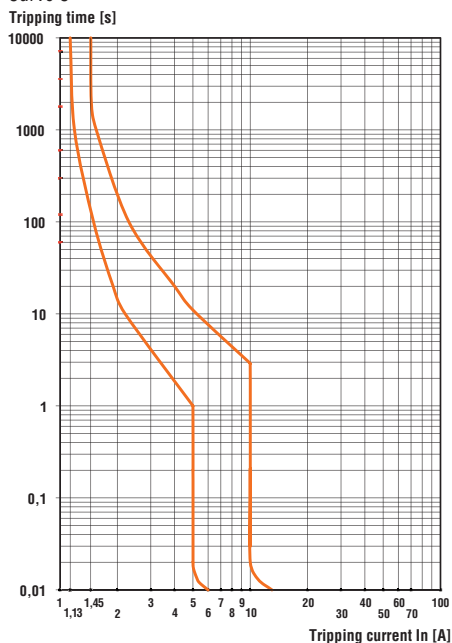
Temperature	Operating	°C	-35...+70	-35...+75	-25...+55	-25...+55	-25...+40
	Storage	°C	-40...+80	-40...+80	-35...+60	-35...+60	-35...+60
Max. altitude	m		2,000	2,000	2,000	2,000	2,000
Pollution degree			2	3	2	2	2
Mounting			35mm DIN rail (IEC/EN 60715)				

TRIP CHARACTERISTICS

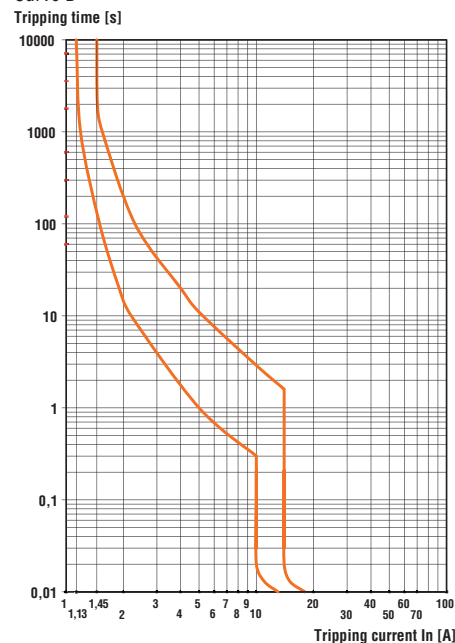
Curve B



Curve C



Curve D



① UL489 only P1MBU... version for the operational voltages for these devices refer to the pages for the chosen product.

② For the UL489, P1MBU... versions, the following rated current currents are also available: 1.6, 3, 5, 7, 8, 12, 15, 30, 35, 60 A