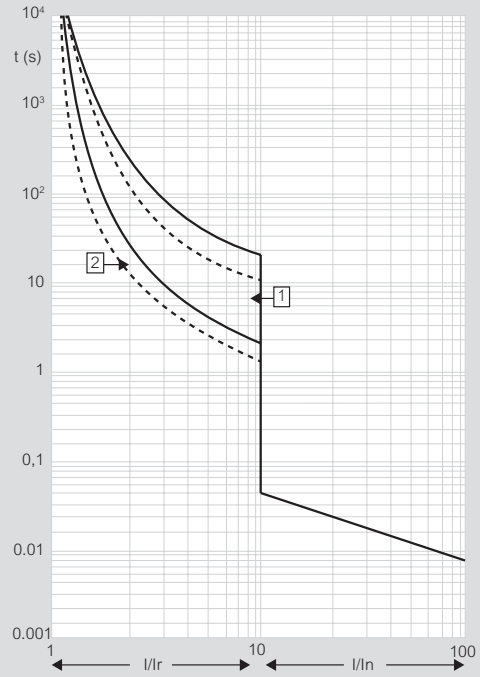
Curves

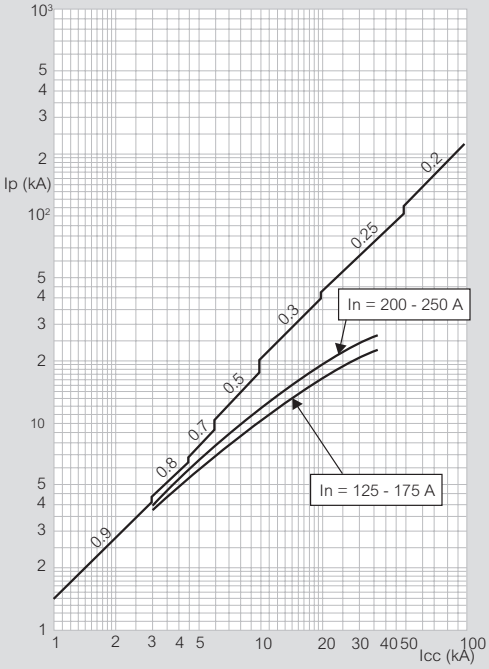
DRX 250 Imax = 250 A from 18 kA to 36 kA 3P - 4P



t = time
I_{test} = test curent
Ir = current setting
In = rated current
Curve n°1 = characteristic with cold start
Curve n°2 = characteristic with hot start

Current limitation

DRX 250 Imax = 250 A from 18 kA to 36 kA 3P - 4P at 415 V~



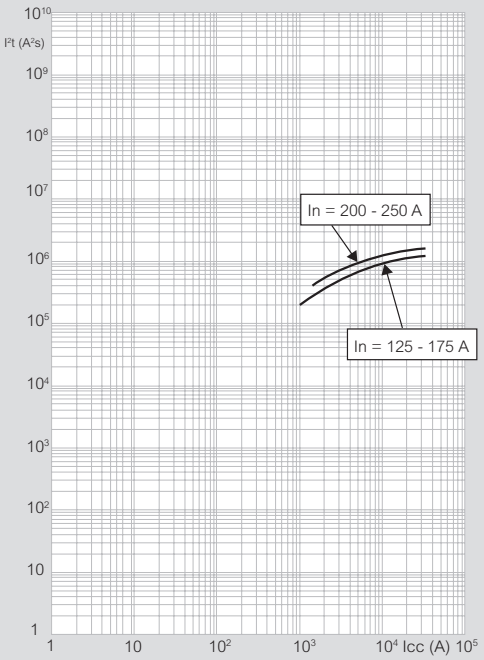
Icc = estimated short circuit symmetrical current (RMS value)
Ip = maximum short circuit peak current

maximum prospective short circuit peak current corresponding at the power factor

maximum real peak short circuit current by contact limiting effect

Pass-through specific energy characterictics

DRX 250 Imax = 250 A from 18 kA to 36 kA 3P - 4P at 415 V~



Icc = estimated short circuit symmetrical current (RMS value)
I^2t (A^2s) = pass-throught specific energy

Technical characteristics

IEC/EN 60947-2 for circuit breakers ; IEC/EN 60947-3 for trip-free switches

		DRX 18 kA	DRX 25 kA	DRX-I 250
Number of poles		3P - 4P	3P - 4P	3P - 4P
Rated current In (A)		125-250	125-250	250/160
Neutral protection for 4P version (%)		100	100	-
Rated insulation voltage Ui (V)		690	690	690
Rated impulse withstand current Uimp (kV)		6	6	6
Rated operating voltage (50/60 Hz) Ue (V)		550	550	550
Ultimate breaking capacity Icu (kA) IEC 60947-2	**110/130 V~**	35	70	-
	220/240 V~	35	70	-
	380/415 V~	18	25	-
	440/460 V~	15	22	-
	480/550 V~	5	6	-
Ultimate breaking capacity Icu (kA) NEMA AB-1	**240 V~**	35	70	-
	480 V~	5	6	-
Standard breaking capacity Ics (% Icu)		100	75	-
Category of use		A	A	AC22A/AC23A
Suitable for isolation		YES	YES	YES
Endurance (cycles)	**mechanical**	20000	20000	20000
	electrical at In	8000	8000	-
	electrical at 0.5 In	10000	10000	-