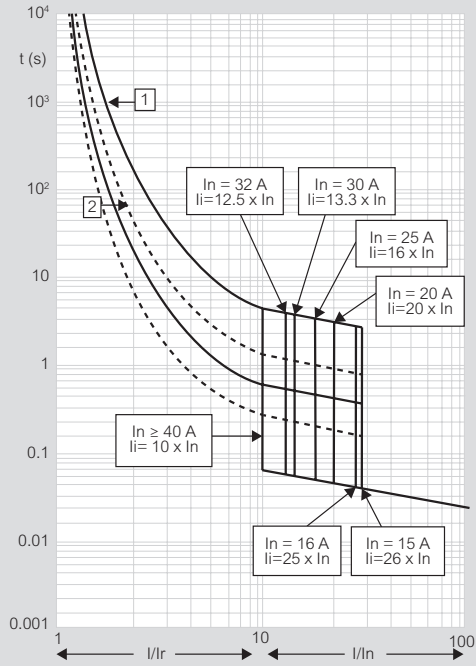


DRX™ 125

technical characteristics and curves

Curves

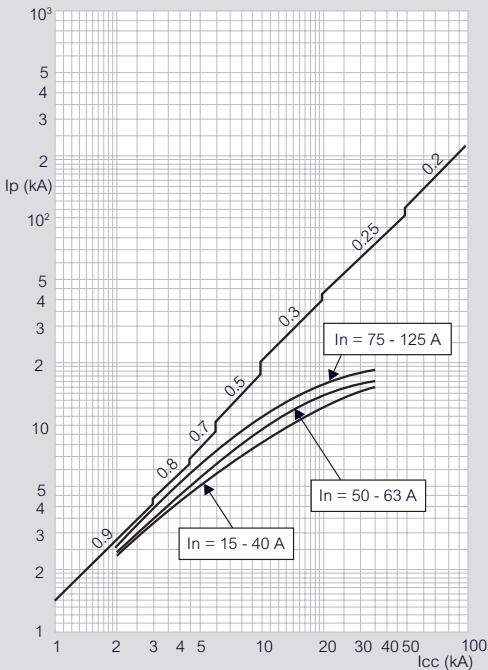
DRX 125 $I_{max} = 125 \text{ A}$ from 10 kA to 36 kA 3P - 4P



t = time
 I = rated current
 I_r = setting current
 1 = characteristic with cold start
 2 = characteristic with hot start

Current limitation

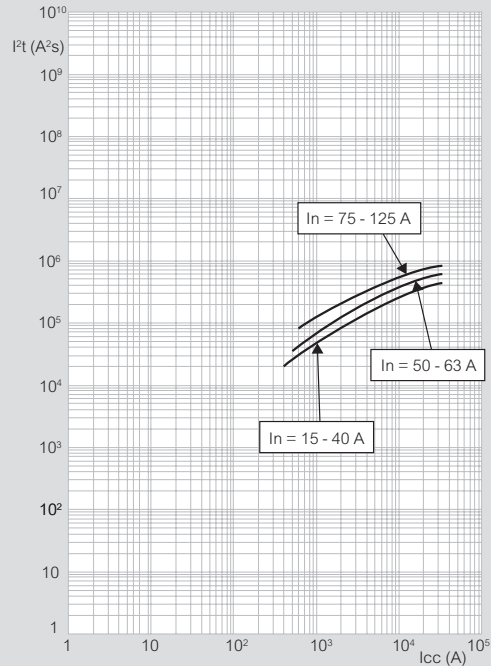
DRX 125 $I_{max} = 125 \text{ A}$ from 10 kA to 36 kA 3P - 4P at 415 V~



I_{cc} = estimated short circuit symmetrical current (RMS value)
 I_p = 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 characteristics

DRX 125 $I_{max} = 125 \text{ A}$ from 10 kA to 36 kA 3P - 4P at 415 V~



I_{cc} = estimated short circuit symmetrical current (RMS value)
 I^2t (A²s) = pass-through specific energy

Technical characteristics

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

	DRX 10 kA	DRX 20 kA	DRX 25 kA	DRX 36 kA	DRX-I 125
Number of poles	3P - 4P	3P - 4P	1P	2P	3P - 4P
Rated current I_n (A)	15-125	15-125	15-100	15-100	125
Neutral protection for 4P version (%)	100	100	-	-	-
Rated insulation voltage U_i (V)	690	690	690	690	690
Rated impulse withstand current I_{imp} (kV)	6	6	6	6	6
Rated operating voltage (50/60 Hz) U_e (V)	550	550	550	550	550
Ultimate breaking capacity I_{cu} (kA)	110/130 V~	35	60	50	75
	220/240 V~	35	60	25	60
	277 V~	-	-	15	50
	380/415 V~	10	20	10	36
Ultimate breaking capacity I_{cu} (kA) NEMA AB-1	440/460 V~	10	15	-	30
	480/550 V~	7.5	10	-	20
	240 V~	35	60	25	60
Standard breaking capacity I_{cs} (% I_{cu})	100	75	50	50	-
Category of use	A	A	A	A	AC23A
Suitable for isolation	YES	YES	YES	YES	YES
	mechanical				
	25000	25000	25000	25000	25000
Endurance (cycles)	electrical at I_n				
	8000	8000	8000	8000	-
	electrical at 0.5 I_n				
10000	10000	10000	10000	-	