GT10 / GT25	EP100 UC	Hti	EP100R / EP100T	EP100UCR / EP100UCT
EN/IEC 60947-2	(3)	EN/IEC 60947-2	EN/IEC 60898-1	EN/IEC 60947-2[3]
3-5In/5-10In/10-20In	B, C	3-5In/5-10In/10-20In	Z, B, C, D, K[5]	Z, B, C, K[4]
0.5-63	B(6-63), C(0.5-63)	80 upto 125	B(6-63), C/D/K(0.5-63)	0.5 - 63
40	30	40	30	30
1/2/3/4	1/2/4	1/2/3/4	1/2/3/4[6]	1/2
-	-	-	yes	-
240/415	240/415	230/400	240/415	240/415
-	-	-	-	-
415	415	415	415	415
415	415	415	415	415
48	250	48	48	250
110	500	110	110	500
50/60	50/60	50/60	50/60	50/60
DC: magn.trip +40%	DC: magn.trip +40%	DC: magn.trip +40%	DC: magn.trip +40%	DC: magn.trip +40%
400: magn.trip +50%	400: magn.trip +50%	400: magn.trip +50%	400: magn.trip +50%	400: magn.trip +50%
250/440; 53/120 ⎓	250/440; 250/440 ⎓	250/440; 53/120 ⎓	250/440; 53/120 ⎓	250/440; 250/440 ⎓
12; 12 ⎓	12; 12 ⎓	12; 12 ⎓	12; 12 ⎓	12; 12 ⎓
-	3	-	3	3
yes	yes	yes	yes	yes
500	500	500	500	500
440	440	440	440	440
6	6	6	6	6
10000	10000	10000	10000	10000
2.5	2.5	2.5	2.5	2.5
3g	5g	3g	3g	5g
4000	1000	4000	10000	1000
20000	20000	20000	20000	20000
A	A	A	A	A
any	any	any	any	any
yes	follow polarity	yes	yes	follow polarity
IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40
V2	V2	V2	V2	V2
+55°C/95% RH	+55°C/95% RH	+55°C/95% RH	+55°C/95% RH	+55°C/95% RH
-25/+55	-25/+55	-25/+55	-40/+70	-40/+70
-55/+55	-55/+55	-55/+55	-40/+70	-40/+70
1/35	1/35	70	1/35	1/35
0.75/25	0.75/25	-	0.75/25	0.75/25
1/35	1/35	70	1/35	1/35
0.75/25	0.75/25	-	0.75/25	0.75/25
4.5	4.5	5	4.5	4.5
yes	yes	yes	yes	yes
yes	yes	-	yes	yes
yes	yes	yes	yes	yes
yes	yes	-	yes	yes
yes	yes	yes	yes	yes
yes/yes	yes/yes	-	yes/yes	yes/yes
-/yes	yes/yes	-	-/yes	yes/yes
yes	yes	-	yes	yes
18	18	27	18	18
120	125	210	120	125
12	12	1/4/8	12	12
-	-	-	KEMA	-
yes	yes	yes	yes	yes
A.26/A.28	A.30	A.32	A.42/A.46	A.44/A.48

(2) Motor lines application
no I+N execution in K curve
EP60K in page A.21
EP100K in page A.25

(3) EN/IEC 60898-2 and VDE 0641-2/3
(4) For EP100 UCR no K curve
(5) For EP100 R only B-C curves
(6) For EP100 R only 3

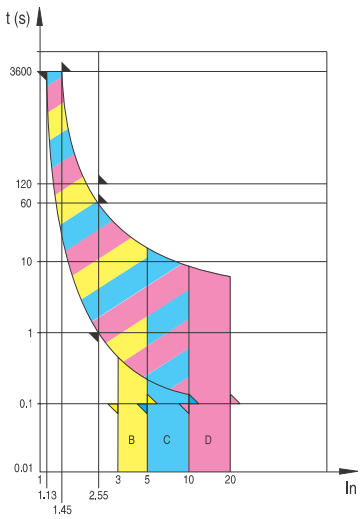
Short-circuit capacity of MCB's

Series				G30	G45	G60 / EP60 char. K
Short-circuit capacity AC			(kA)			
EN/IEC 60898-1	**Icn**	1P	230/400V	3	4.5	6
		1P+N	230V	3	4.5	6
		2P	230/400V	3	4.5	6
		3P/3P+N/4P	230/400V	3	4.5	6
	Ics (service)			100% Icn	100% Icn	100% Icn
EN/IEC 60947-2	**Icu** (ultimate)	1P	127V	-	-	20
			240V	5	6	10
			415V	3	3	3
		1P+N/2P	127V	-	15	30
			240	10	10	20
		2P	415V	5	6	10
		3P, 4P	240V	10	10	20
			415V	5	6	10
			440V	-	-	6
	Ics (service)			75% Icu	75% Icu	75% Icu
	NEMA AB1 (120/240V)			10	14	20
Short-circuit capacity DC			(kA)			
EN/IEC 60947-2	**Icu** (ultimate)	1P	≤60V ⎓	-	-	20
			≤220V ⎓	-	-	-
		2P	≤125V ⎓	-	-	25
			≤440V ⎓	-	-	-
	Ics (service)			-	-	100% Icu
Page				A.14	A.16	A.18/A.20

Characteristics according to EN/IEC 60898-1

Miniature Circuit Breakers (MCB) are intended for the protection of wiring installations against both overloads and short-circuits in domestic or commercial wiring installations where operation is possible by uninstructed people.

Tripping characteristic curves (EN/IEC 60898-1)



Magnetic release

An electromagnet with plunger ensures instantaneous tripping in the event of short-circuit. The standard distinguishes three different types, following the current for instantaneous release: type B,C,D.

Icn (A)	Test current	Tripping time	Applications
B	3 x In 5 x In	0.1 < t < 45s (In ≤ 32A) 0.1 < t < 90s (In > 32A) t < 0.1s	Only for resistive loads such as: - electrical heating - water heater - stoves
C	5 x In 10 x In	0.1 < t < 15s (In ≤ 32A) 0.1 < t < 30s (In > 32A) t < 0.1s	Usual loads such as: - lighting - socket-outlets - small motors
D	10 x In 20 x In	0.1 < t < 4s(1) (In ≤ 32A) 0.1 < t < 8s (In > 32A) t < 0.1s	Control and protection of circuits having important transient inrush currents

(1) if In ≤ 10A, t < 8s

Thermal release

The release is initiated by a bimetal strip in case of overload. The standard defines the range of releases for specific overload values.
Reference ambient temperature is 30°C.

Test current	Tripping time
1.13 x In	t ≥ 1h (In ≤ 63A) t ≥ 2h (In > 63A)
1.45 x In	t < 1h (In ≤ 63A) t < 2h (In > 63A)
2.55 x In	1s < t < 60s (In ≤ 32A) 1 s < t < 120s (In > 32A)

G100 / EP100 char. K EP100T / EP100R	GT10	GT25	EP100 UC / EP100 UCR	Hti
10	-	-	6 (220VDC)(2)	-
10	-	-	-	-
10	-	-	6 (440VDC)(3)	-
10	-	-	-	-
75% Icn	-	-	100% Icn	-
30	25	50	-	-
15	10	50/25/20/15(1)	6(5)	B/C 10; D 7.5
4	-	-	-	4.5
40	30	-	-	-
30	20	50/50/40/30(1)	-	B/C 15
15	10	50/25/20/15(1)	6(5)	B/C 10; D 7.5
30	20	50/50/40/30(1)	-	B/C 15
15	10	50/25/20/15(1)	-	B/C 10; D 7.5
10	-	50/20/15/10(1)	-	-
50% Icu	75% Icu	50% Icu	-	100% Icu
30	30	-	-	-
25	20	25	-	10
-	-	-	10(4)	-
30	25	30	20(4)	15
-	-	-	10(4)	-
100% Icu	100% Icu	100% Icu	-	100% Icu
A.22/A.24/A.42/A.46	A.26	A.28	A.30/A.44	A.32

(1) 0.5-4A/6-25A/32-40A/50-63A
(2) 10 (125VDC)
(3) 10 (250VDC)
(4) T = 4ms
(5) 4.5kA for 50A & 63A

Characteristics according to EN/IEC 60947-2

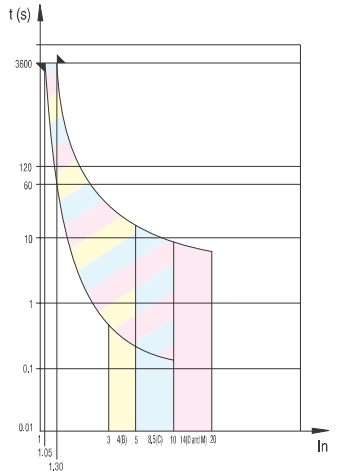
Magnetic release
An electromagnet with plunger ensures instantaneous tripping in the event of short-circuit. The standard leaves the calibration of magnetic release to the manufacturer's discretion.

GE offers instantaneous tripping ranges:
- B: 4 In
- C: 8.5 In (7.5 In for 63A)
- D and M: 14 In
- K: 10 In (6 In ≥ 2 s.)

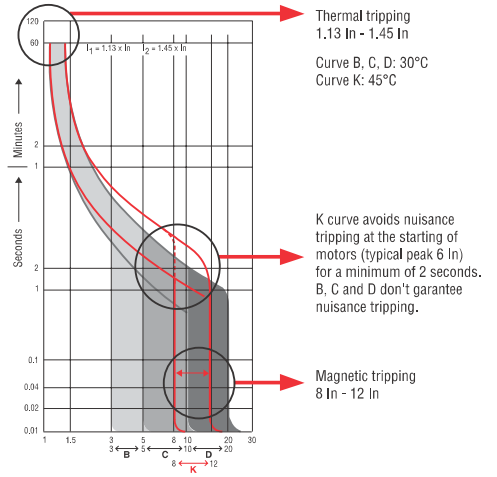
Thermal release
The release is initiated by a bimetal strip in case of overload. The standard defines the range of releases for two special overload values.
Reference ambient temperature is:
- 40°C for GT10 and GT25
- 50°C for G60 and G100, except for K: 45°C

Test current B - C - D	Test current K	Tripping time
1.05 x In	1.13 x In	t ≥ 1h (In ≤ 63A) t ≥ 2h (In > 63A)
1.30 x In	1.45 x In	t < 1h (In ≤ 63A) t < 2h (In > 63A)

Tripping characteristic curves (EN/IEC 60947-2)



Curve K (EN/IEC 60947-2) versus B,C,D (EN/IEC 60898-1)



Technical data of MCB's

Series			EP60 UL	EP100 UL	EP100 ULH
Standards UL 1077 (recognized) & CSA C22.2			yes	yes	-
Standards UL 489 (listed)			-	-	yes
UL file			E151139	E151139	E256870
CSA file			235-04	235-04	-
Nominal voltage acc. UL & CSA		1P	277VAC/50VDC	277VAC/50VDC	120VAC/50VDC
		2P	480VAC/110VDC	480VAC/110VDC	240VAC/110VDC
		3P	480VAC/110VDC	480VAC/110VDC	240VAC/110VDC
		4P	480VAC/110VDC	480VAC/110VDC	-
Reference temperature		°C	25	25	25
Terminal capacity		60/75°C	14-4 AWG	14-4 AWG	14-8 AWG
Torque		N.m/lbs.in	2.5/22.5	2.5/22.5	2.5/22.5
Standards EN/IEC 60947-2			yes	yes	yes
Tripping characteristics			B,C,D	B,C,D	B,C,D
Nominal current		A	B 6-63, C/D 0.5-63	B 6-63, C/D 0.5-63	B 5-32, C/D 0.5-32
Calibration temperature		°C	50	50	50
Number of poles			1/2/3/4	1/2/3/4	1/2/3
Number of modules			1,2,3,4	1,2,3,4	1,2,3
Nominal voltage Un					
AC	1P	V	230/400	230/400	230/400
	1P+N	V	-	-	-
	2P	V	400	400	400
	3P	V	400	400	400
	3P+N/4P	V	400	400	400
DC	1P (1)	VDC	48	48	48
	2P (in series) (1)	VDC	110	110	110
Frequency		Hz	50/60	50/60	50/60
Maximum service voltage Ubmax between two wires		V	250/440; 53/120 ⎓	250/440; 53/120 ⎓	250/440; 53/120 ⎓
Minimum service voltage Ubmin		V	12 and 12 ⎓	12 and 12 ⎓	12 and 12 ⎓
Selectivity class (EN/IEC 60898)			3	3	3
Isolator application	EN/IEC 60947-2		yes	yes	yes
Rated insulation voltage	Pollution degree 2	V	500	500	500
	Pollution degree 3	V	440	440	440
Impulse withstand test voltage		kV	6	6	6
Insulation resistance		MΩ	10000	10000	10000
Dielectric rigidity		kV	2.5	2.5	2.5
Mounting position			Any	Any	Any
Incoming top or bottom			Any	Any	Any
Vibrations resistance (in x, y, z direction) (EN/IEC 77/16.3)			3g	3g	3g
Endurance	electrical at Un, In		10000	10000	10000
	mechanical		20000	20000	20000
Utilisation category (EN/IEC 60947-2)			A	A	A
Protection distance (EN/IEC 60947-2)		mm	12	12	12
Protection degree (outside / inside enclosure with door)			IP20/IP40	IP20/IP40	IP20/IP40
Self-extinguish degree (according to UL94)			V0	V0	V0
Tropicalisation (according to EN/IEC 60068-2 / DIN 40046)		°C/RH	+55°C / 95%RH	+55°C / 95%RH	+55°C / 95%RH
Operating temperature		°C	-25/+55	-25/+55	-25/+55
Storage temperature		°C	-55/+55	-55/+55	-55/+55
Terminal capacity					
	Rigid cable min/max (top)	mm^2	1/35	1/35	1/35
	Flexible cable min*/max (top)	mm^2	0.75/25	0.75/25	0.75/25
	Rigid cable min/max (bottom)	mm^2	1/35	1/35	1/35
	Flexible cable min*/max (bottom)	mm^2	0.75/25	0.75/25	0.75/25
	(* Flexible cable 0.75/1/1.5 mm^2 with cable lug)				
	Torque	Nm	max 4.5	max 4.5	max 4.5
Add-on devices (side add-on)	Auxiliary contacts		yes	yes	yes
	Tele L		yes	yes	yes
	Tele MP		yes	yes	yes
Dimensions (HxDxW) 86x68xW (2)		mm/mod.	18	18	18
Weight/mod.		g	125	125	130
Package		mod.	see page A.37	see page A.39	see page A.41
Approvals			UL/CSA/VDE	UL/CSA/VDE	UL
CE-marking			yes	yes	yes
Page			A.36	A.38	A.40

(1) Preferred values of rated control supply voltage (EN/IEC 60947-2): 24VDC, 48VDC, 110VDC, 125VDC, 220VDC, 250VDC
(2) EP100ULH executions 2P & 3P: H = 116 mm

Short-circuit capacity of MCB's

Series			EP60 UL	EP100 UL	EP100 ULH
Interrupting capacity acc. to		kA	UL1077	UL1077	UL489
UL	1P	277VAC	6	10	-
	2P/3P/4P	480VAC	6	10	-
	1P	120VAC	6	10	10
	2P/3P	240VAC	6	10	10
	1P	50VDC	6	10	10
	2P	110VDC	6	10	10
Short-circuit capacity AC					
EN/IEC 60947-2	Icu (ultimate)	kA			
	1 P	127 V	20	30	30
		240V	10	15	15
		415 V	3	4	4
	1+N /2P	127 V	30	40	40
		240 V	20	30	30
	2 P	415 V	10	15	15
	3/3+N/4P	240 V	20	30	30
		415 V	10	15	15
		440 V	6	10	10
	Ics (service)		75% Icu	50% Icu	50% Icu
Short-circuit capacity DC					
EN/IEC 60947-2	Icu (ultimate)	kA			
	1 P	≤ 60 V ⎓	20	25	25
		≤ 220 V ⎓	-	-	-
	2 P	≤ 125 V ⎓	25	30	30
		≤ 440 V ⎓	-	-	-
	Ics (service)		100%Icu	100%Icu	10%Icu
Page			A.36	A.38	A.40

Characteristics according to EN/IEC 60947-2

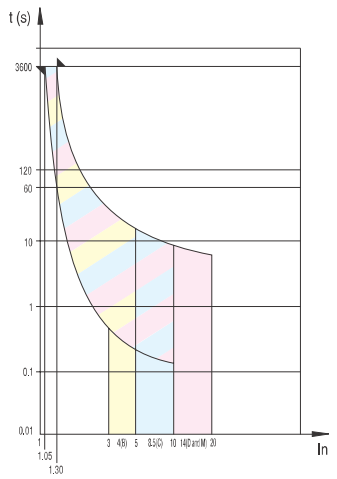
Magnetic release
An electromagnet with plunger ensures instantaneous tripping in the event of short-circuit. The standard leaves the calibration of magnetic release to the manufacturer's discretion.

GE offers instantaneous tripping ranges:
- B: 4 In
- C: 8.5 In (7.5 In for 63A)
- D: 14 In

Thermal release
The release is initiated by a bimetal strip in case of overload. The standard defines the range of releases for two special overload values.
Reference ambient temperature is 50°C

Test current B - C - D	Tripping time
1.05 x In	t ≥ 1h (In ≤ 63A) t ≥ 2h (In > 63A)
1.30 x In	t < 1h (In ≤ 63A) t < 2h (In > 63A)

Tripping characteristic curves (EN/IEC 60947-2)



Back-up protection (association)

Downstream: MCB's - Upstream: MCB's

Redline / Downstream MCB		U 230V					
		Upstream MCB (kA)					
Types		G60 & EPP60	G100 & EPP100	GT25	GT25	GT25	Hti
	In (A)	0.5-63	0.5-63	< 32	32-40	50-63	80-125
EPC 451N - EPC45	2-40	22	25	25	25	25	-
EPC 61N - EPC60	2-10	25	30	30	30	30	-
	16-20	25	30	30	30	30	-
	25-40	25	30	30	30	30	-
EPC 101N	2-10	25	30	30	30	30	-
	16-20	25	30	30	30	30	-
	25-40	25	30	30	30	30	-
DM60	4-10	15	15	15	15	15	-
	16-20	15	15	15	15	15	-
	25-40	15	15	15	15	15	
DM100	4-10	15	15	15	15	15	-
	16-20	15	20	20	20	20	
	25-40	15	20	22	22	22	-
G45	6-40	15	20	22	22	22	16
G60	0,5-63	-	20	22	22	22	-
G100	0,5-63	-	-	50	35	30	-

Record Plus™ MCCB's at 220/240V AC

Upstream / Downstream	Icu	MCCB's Record Plus™																										
		FD63/160C	FD63/160E	FD63/160S	FD63/160N	FD63/160H	FD63/160L	FE160N	FE160H	FE160L	FE150V	FE250N	FE250H	FE250L	FG400N	FG400H	FG400L	FG630N	FG630H	FG630L	FK800N	FK800H	FK800L	FK1250N	FK1250H	FK1250L	FK1600N	FK1600H
	In (kA)	25	40	50	85	100	200	85	100	200	65	85	100	200	85	100	200	85	100	200	80	100	170	80	100	170	80	100
		Icu of the combination (kA)																										
Redline																												
EPC 451N / EPC 45	6	15	18	18	18	18	18	15	15	15	12	12	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DP45	6	15	18	22	22	22	22	18	18	18	15	15	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPC 61N / EPC 60	10	16	20	23	23	23	23	20	20	20	16	16	16	16														
DP(A) 60	10	22	25	30	36	85	85	36	85	85	30	36	65	65	16	16	16	14	14	14	-	-	-	-	-	-	-	-
DPE100 / EPC 101N	10	18	22	25	25	25	25	22	22	22	18	18	18	18														
DP(A)100 & DPT 100	15	25	36	42	50	100	100	42	100	100	30	36	65	65	18	18	18	16	16	16								
G60 & EPP60	20	25	36	42	50	100	100	50	100	100	36	42	85	85	22	22	22	18	18	18	-	-	-	-	-	-	-	-
G100 & EPP100	30	-	42	50	65	100	100	65	100	100	42	50	85	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GT25 ≤25A	50	-	-	-	65	100	100	65	100	100	-	65	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GT25, 32 & 40A	40	-	-	50	65	100	100	65	100	100	42	50	85	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GT25, 50 & 63A	30	-	42	50	65	100	100	65	100	100	42	50	85	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Series Hti	15	22	36	42	50	100	100	50	100	100	36	42	80	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Series S90	25	-	36	42	85	100	100	85	100	100	36	50	85	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surion																												
GPS1BS ≤16A	100	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS1BS >16A	50	-	-	-	85	100	150	-	100	150	-	-	100	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS1BH all	100	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS2BS ≤16A	100	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS2BS >16A	50	-	-	-	85	100	150	-	100	150	-	-	100	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS2BH all	100	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Record Plus™																												
FD63/160C	18	-	30	36	42	50	65	42	50	65	36	42	50	65	42	50	65	42	50	65	-	-	-	-	-	-	-	-
FD63/160E	36	-	-	50	65	85	100	65	85	100	50	65	85	100	65	85	100	65	85	100	-	-	-	-	-	-	-	-
FD63/160S	50	-	-	-	-	85	100	-	85	100	-	-	85	100	-	85	100	-	85	100	-	-	-	-	-	-	-	-
FD63/160N	85	-	-	-	-	100	200	-	100	200	-	-	100	200	-	100	200	-	100	200	80	100	150	80	100	150	80	100
FD63/160H	100	-	-	-	-	-	200	-	-	200	-	-	-	200	-	-	200	-	-	200	-	100	150	-	100	150	-	100
FE160N	85	-	-	-	-	-	-	-	100	200	-	-	100	200	-	100	200	-	100	200	80	100	150	80	100	150	80	100
FE160H	100	-	-	-	-	-	-	-	-	200	-	-	-	200	-	-	200	-	-	200	-	100	150	-	100	150	-	100
FE250N	85	-	-	-	-	-	-	-	-	-	-	-	100	200	-	100	200	-	100	200	80	100	150	80	100	150	80	100
FE250H	100	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	200	-	-	200	-	100	150	-	100	150	-	100
FG400N	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	200	-	100	200	80	100	150	80	100	150	80	100
FG400H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	200	-	100	150	-	100	150	-	100
FG630N	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	200	80	100	150	80	100	150	80	100
FG630H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	100	150	-	100	150	-	100
FK800N	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	150	80	100	150	80	100
FK800H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	170	-	100	170	-	100
FK1250N	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	170	80	100	170	80	100
FK1250H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	170	-	100	170	-	100

Record Plus™ MCCB's at 400/415V AC

Upstream / Downstream	Icu In (kA)	MCCB's Record Plus™																										
		FD63/160C	FD63/160E	FD63/160S	FD63/160N	FD63/160H	FD63/160L	FE160N	FE160H	FE160L	FE250V	FE250N	FE250H	FE250L	FG400N	FG400H	FG400L	FG630N	FG630H	FG630L	FK800N	FK800H	FK800L	FK1250N	FK1250H	FK1250L	FK1600N	FK1600H
		18	25	36	50	80	150	50	80	150	36	50	80	150	50	80	150	50	80	150	50	80	100	50	80	100	50	80
		Icu of the combination (kA)																										
Redline																												
EPC 452, 453 & 454	**6**	15	18	22	25	30	36	25	30	36	18	22	25	30	12	12	12	10	10	10	-	-	-	-	-	-	-	-
EPC60	**10**	16	20	23	25	34	40	28	34	40	20	25	30	32	15	15	15	10	10	10								
G60	**10**	18	22	25	30	36	42	30	36	42	22	30	36	36	16	16	16	12	12	12	-	-	-	-	-	-	-	-
G100	**15**	18	25	30	36	42	50	36	42	50	25	30	36	36	22	22	22	16	16	16	-	-	-	-	-	-	-	-
GT25 ≤25A	**25**	-	-	36	42	50	65	42	50	65	-	36	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GT25, 32 & 40A	**20**	-	-	30	36	42	50	36	42	50	-	36	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GT25, 50 & 63A	**15**	18	25	30	36	42	50	36	42	50	25	30	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Series Hti	**10**	15	18	25	30	36	42	30	36	42	18	30	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Series S90	**15**	18	25	30	36	42	50	36	42	50	25	36	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surion																												
GPS1B/MS ≤10A	**100**	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS1B/MS 12.5A	**50**	-	-	-	-	80	150	-	80	150	-	-	80	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS1B/MS ≥16A	**25**	-	-	-	42	50	65	42	50	65	-	42	50	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS1B/MH ≤12.5A	**100**	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS1B/MH >12.5A	**50**	-	-	-	-	80	150	-	80	150	-	-	80	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS2B/MS 10A	**100**	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS2B/MS >10A	**25**	-	-	-	42	50	65	42	50	65	-	42	50	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS2B/MH 10A	**100**	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPS2B/MH >10A	**50**	-	-	-	-	80	150	-	80	150	-	-	80	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Record Plus™																												
FD63/160C	**18**	-	22	25	30	36	42	30	36	42	22	30	36	42	30	36	42	30	36	42	-	-	-	-	-	-	-	-
FD63/160E	**25**	-	-	30	36	42	50	36	42	50	-	36	42	50	36	42	50	36	42	50	-	-	-	-	-	-	-	-
FD63/160S	**36**	-	-	-	42	50	65	42	50	65	-	42	50	65	42	50	65	42	50	65	-	-	-	-	-	-	-	-
FD63/160N	**50**	-	-	-	-	80	150	-	80	150	-	-	80	150	-	80	150	-	80	150	-	80	100	-	80	100	-	80
FD63/160H	**80**	-	-	-	-	-	150	-	-	150	-	-	-	150	-	-	150	-	-	150	-	-	100	-	-	100	-	-
FE160N	**50**	-	-	-	-	-	-	-	80	150	-	-	80	150	-	80	150	-	80	150	-	80	100	-	80	100	-	80
FE160H	**80**	-	-	-	-	-	-	-	-	150	-	-	-	150	-	-	150	-	-	150	-	-	100	-	-	100	-	-
FE250N	**50**	-	-	-	-	-	-	-	-	-	-	-	80	150	-	80	150	-	80	150	-	80	100	-	80	100	-	80
FE250H	**80**	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	150	-	-	150	-	-	100	-	-	100	-	-
FG400N	**50**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	150	-	80	150	-	80	100	-	80	100	-	80
FG400H	**80**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	150	-	-	100	-	-	100	-	-
FG630N	**50**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	150	-	80	100	-	80	100	-	80
FG630H	**80**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	100	-	-	100	-	-
FK800N	**50**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	-	80	100	-	80
FK800H	**80**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	100	-	-
FK1250N	**50**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	-	80	100	-	80
FK1250H	**80**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	100	-	-

Selectivity

Record Plus™ MCCB's

Upstream / Downstream	In (A)	MCCB's Record Plus™																	
		FDC & FDE 63/160 LTM						FDS 63/160 LTMD						FDN, H & L 63/160 LTMD					
		40	50	63	80	100	125 160	40	50	63	80	100	125 160	40	50	63	80	100	125 160
		Selectivity limit (kA)(1)																	
Redline EPC45 B/C curve	≤16	0.6	2.5	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	20	0.6	2.5	3	T	T	T	3.5	T	T	T	T	T	3.5	T	T	T	T	T
	25	-	0.8	1.2	T	T	T	1.6	3.5	T	T	T	T	1.6	3.5	T	T	T	T
	32	-	-	1.2	3	T	T	-	-	T	T	T	T	-	-	T	T	T	T
	40	-	-	-	3	4	T	-	-	-	T	T	T	-	-	-	T	T	T
Redline EPC60 & DME60 B/C curve	≥16	0.6	2.5	6	6	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	20	0.6	2.5	3	6	T	T	3.5	T	T	T	T	T	3.5	T	T	T	T	T
	25	-	0.8	1.2	6	6	T	1.6	3.5	T	T	T	T	1.6	3.5	T	T	T	T
	32	-	-	1.2	3	6	T	-	-	T	T	T	T	-	-	T	T	T	T
	40	-	-	-	3	4	6	-	-	-	T	T	T	-	-	-	T	T	T
Redline DM60 DME100 B/C curve	≤16	0.6	2.5	6	6	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	20	0.6	2.5	3	6	8	T	3.5	T	T	T	T	T	3.5	T	T	T	T	T
	25	-	0.8	1.2	6	6	T	1.6	3.5	T	T	T	T	1.6	3.5	T	T	T	T
	32	-	-	1.2	3	6	8	-	-	10	T	T	T	-	-	10	T	T	T
	40	-	-	-	3	4	6	-	-	-	T	T	T	-	-	-	T	T	T
	50	-	-	-	1.2	1.5	6	-	-	-	3.5	T	T	-	-	-	3.5	T	T
	63	-	-	-	-	1.5	2	-	-	-	-	8	T	-	-	-	-	8	T
Redline G60 EPC 101N DM100 B/C curve	≤16	0.6	2.5	6	6	10	T	10	10	T	T	T	T	10	10	T	T	T	T
	20	0.6	2.5	3	6	8	T	3.5	10	T	T	T	T	3.5	10	T	T	T	T
	25	-	0.8	1.2	6	6	T	1.6	3.5	T	T	T	T	1.6	3.5	T	T	T	T
	32	-	-	1.2	3	6	8	-	-	10	10	T	T	-	-	10	10	T	T
	40	-	-	-	3	4	6	-	-	-	10	T	T	-	-	-	10	T	T
	50	-	-	-	1.2	1.5	6	-	-	-	3.5	10	T	-	-	-	3.5	10	T
	63	-	-	-	-	1.5	2	-	-	-	-	8	T	-	-	-	-	8	T
Redline G100 GT25 B/C curve	≤16	0.6	2.5	6	6	10	T	10	10	T	T	T	T	10	10	T	T	T	T
	20	0.6	2.5	3	6	8	T	3.5	10	T	T	T	T	3.5	10	T	T	T	T
	25	-	0.8	1.2	6	6	T	1.6	3.5	15	T	T	T	1.6	3.5	15	T	T	T
	32	-	-	1.2	3	6	8	-	-	6	10	T	T	-	-	6	10	T	T
	40	-	-	-	3	4	6	-	-	-	10	15	T	-	-	-	10	15	T
	50	-	-	-	1.2	1.5	6	-	-	-	3.5	10	T	-	-	-	3.5	10	T
	63	-	-	-	-	1.5	2	-	-	-	-	8	T	-	-	-	-	8	T
Hti C curve	80	-	-	-	-	-	1.9	-	-	-	-	-	2.5	-	-	-	-	-	2.5
	100	-	-	-	-	-	1.9	-	-	-	-	-	2.5	-	-	-	-	-	2.5
S90 C curve	≤25	-	0.8	0.9	1.2	1.5	1.9	-	1	1.2	15	15	15	-	1	1.2	15	15	15
	32	-	-	0.9	1.2	1.5	1.9	-	-	1.2	15	15	15	-	-	1.2	15	15	15
	40	-	-	-	1.2	1.5	1.9	-	-	-	15	15	15	-	-	-	15	15	15
	50	-	-	-	1.2	1.5	1.9	-	-	-	15	15	15	-	-	-	15	15	15
	63	-	-	-	-	1.5	1.9	-	-	-	-	15	15	-	-	-	-	15	15
	80	-	-	-	-	-	1.9	-	-	-	-	-	15	-	-	-	-	-	15
	100	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	15
Surion GPS1BS & GPS1MS GPS2BS & GPS2MS	≤20	0.6	2.5	6	6	10	T	10	10	T	T	T	T	10	10	T	T	T	T
	25	-	1	1.2	6	6	T	-	3.5	15	15	T	T	-	3.5	15	15	T	T
	32	-	-	1.2	3	6	10	-	-	6	6	T	T	-	-	6	6	T	T
	40	-	-	-	3	4	6	-	-	-	6	T	T	-	-	-	6	T	T
	50	-	-	-	1.2	1.6	6	-	-	-	3.5	T	T	-	-	-	3.5	T	T
	63	-	-	-	-	1.6	2	-	-	-	-	8	T	-	-	-	-	8	T
Surion GPS1BH & GPS1MH GPS2BH& GPS2MH	≤20	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	25	-	2.5	15	15	T	T	-	3.5	T	T	T	T	-	3.5	T	T	T	T
	32	-	-	6	6	8	T	-	-	T	T	T	T	-	-	T	T	T	T
	40	-	-	-	6	8	T	-	-	T	T	T	T	-	-	T	T	T	T
	50	-	-	-	-	6	T	-	-	-	3.5	T	T	-	-	-	3.5	T	T
	63	-	-	-	-	-	T	-	-	-	-	8	T	-	-	-	-	8	T
Record Plus™ FD63/160E LTM	≤25	0.4	0.5	0.6	0.8	1	1.3	0.6	0.8	0.9	1.2	1.5	3.5	0.6	0.8	0.9	1.2	1.5	3.5
	32	-	0.5	0.6	0.8	1	1.3	-	0.8	0.9	1.2	1.5	3.5	-	0.8	0.9	1.2	1.5	3.5
	40	-	-	-	0.8	1	1.3	-	-	-	1.2	1.5	3.5	-	-	-	1.2	1.5	3.5
	50	-	-	-	0.8	1	1.3	-	-	-	1.2	1.5	3.5	-	-	-	1.2	1.5	3.5
	63	-	-	-	-	1	1.3	-	-	-	-	1.5	3.5	-	-	-	-	1.5	3.5
	80	-	-	-	-	-	1.3	-	-	-	-	-	3.5	-	-	-	-	-	3.5

(1) T = Full selectivity until the Icu of the downstream device.
Remark: For MCB's with D curve assume a C curve type with a one step higher rating.
Example: Selectivity FD160 80Amp LTM with downstream C curve 40A MCB = 3kA, for D curve 40A, take the value mentioned for 50A C curve, here 1.2kA.