

Redline^{ED.03}

Circuit Protection



GE imagination at work

A.3	Selection table MCB's
A.4	Technical data MCB's
A.6	Short-circuit capacity of MCB's
A.8	Miniature Circuit Breakers - Series C30
A.10	Miniature Circuit Breakers - Series C45
A.12	Miniature Circuit Breakers - Series C60
A.14	Miniature Circuit Breakers - Series G20
A.16	Miniature Circuit Breakers - Series G30
A.18	Miniature Circuit Breakers - Series G45
A.20	Miniature Circuit Breakers - Series G60
A.22	Miniature Circuit Breakers - Series EP60
A.24	Miniature Circuit Breakers - Series G100
A.26	Miniature Circuit Breakers - Series EP100
A.28	Miniature Circuit Breakers - Series GT10
A.30	Miniature Circuit Breakers - Series GT25
A.32	Miniature Circuit Breakers - Series EP100 UC (DC applications)
A.34	Miniature Circuit Breakers - Series Hti
A.38	Labelprinter
A.39	Accessories
A.40	Dimensional drawings

Circuit Protection A

People Protection B

Add-on Devices c

Comfort Functions D

Busbars E

Enclosures F

Record Plus G

Numerical Index x





Selection table MCB's

Page no.	Series	Applications	Poles	Add-on devices	Tripping characteristic	Rating current (A)	Short-circuit capacity (kA)
A.8	C30		1+N (1 mod.)	yes	C	2-32	3
A.10	C45		1+N (1 mod.)	yes	B	6-32	4.5 6
				yes	C	2-32	4.5 6
A.12	C60		1+N (1 mod.)	yes	B	6-32	6 7.5
				yes	C	2-32	6 7.5
A.14	G20		1, 2, 3, 4	-	C	6-40	3
A.16	G30		1, 2, 3, 4	yes	B	6-40	3 5 10
				yes	C	2-40	3 5 10
A.18	G45		1, 2, 3, 4	yes	B	6-40	4.5 6 14
				yes	C	2-40	4.5 6 14
A.20	G60		1, 1+N, 2, 3, 4	yes	B	6-63	6 10 20
				yes	C	0.5-63	6 10 20
				yes	D	0.5-63	6 10 20
A.22	EP60		1, 2, 3, 4	yes	K	0.5-63	6 10 20
A.24	G100		1, 1+N, 2, 3, 4	yes	B	6-63	10 15 30
				yes	C	0.5-63	10 15 30
				yes	D	0.5-63	10 15 30
A.26	EP100		1, 2, 3, 4	yes	K	0.5-63	10 15 30
A.28	GT10		1, 2, 3, 4	yes	B	6-63	10 15 30
				yes	C	0.5-63	10 15 30
				yes	D	0.5-63	10 15 30
A.30	GT25		1, 2, 3, 4	yes	B	6-63	15 20 25
				yes	C	0.5-63	15 20 25
				yes	D	0.5-63	15 20 25
A.32	EP100 UC		1, 2	yes	B	6-63	6 10
				yes	C	0.5-63	6 10
A.34	Hti		1, 2, 3, 4	yes	B	80-125	10 15
				yes	C	80-125	10 15
				yes	D	80-125	10 15



B : 3-5 In
C : 5-10 In
D : 10-20 In

IEC 60898 
IEC 60947-2 
NEMA AB1 



Technical data MCB's

Series				C30	C45	C60	G20
Standards				IEC 60898	IEC 60898	IEC 60898	IEC 60898
Tripping characteristics				C	B, C	B, C	C
Nominal current		A		2-32	B: 6-32, C: 2-32	B: 6-32, C: 2-32	6-40
Calibration temperature		°C		30	30	30	30
Number of poles (# mod)				1+N (1 mod.)	1+N (1 mod.)	1+N (1 mod.)	1/2/3/4
Neutral pole protected				-	-	-	-
Nominal voltage Un	AC	1P	V	-	-	-	240/415
		1P+N	V	230	230	230	240
		2P	V	-	-	-	415
		3P/3P+N/4P	V	-	-	-	415
	DC	1P (1)	VDC	-	-	-	48
		2P (in series) (1)	VDC	-	-	-	110
Frequency		Hz		50/60	50/60	50/60	50/60
		Hz		DC: magn.trip +40%	DC: magn.trip +40%	DC: magn.trip +40%	DC: magn.trip +40%
		Hz		400: magn.trip +50%	400: magn.trip +50%	400: magn.trip +50%	400: magn.trip +50%
Maximum service voltage U _b max between two wires		V		250	250	250	250/440: 53/120 ≡
Minimum service voltage U _b min		V		12	12	12	12; 12 ≡
Selectivity class (IEC 60898)				3	3	3	-
Isolator application		IEC 60947-2		-	-	-	-
Rated insulation voltage	Pollution degree 2		V	500	500	500	500
	Pollution degree 3		V	440	440	440	440
Impulse withstand test voltage		kV		6	6	6	6
Insulation resistance		MOhm		1000	1000	1000	10,000
Dielectric rigidity		kV		2.5	2.5	2.5	2.5
Vibrations resistance (in x, y, z direction)(IEC 77/16.3)				3g	3g	3g	3g
Endurance	electrical at U _n , I _n			10,000	10,000	10,000	10,000
	mechanical			20,000	20,000	20,000	20,000
Utilisation category (IEC 60947-2)				A	A	A	A
Mounting position				any	any	any	any
Incoming top or bottom				yes	yes	yes	yes
Protection degree (outside / inside enclosure with door)				IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40
Self-extinguish degree (according to UL94)				V2	V2	V2	V2
Tropicalisation (according to IEC 60068-2 / DIN 40046)		°C/RH		+55°C/95% RH	+55°C/95% RH	+55°C/95% RH	+55°C/95% RH
Operating temperature		°C		-25/+55	-25/+55	-25/+55	-25/+55
Storage temperature		°C		-55/+55	-55/+55	-55/+55	-55/+55
Terminal capacity	Rigid cable min/max (top)		mm²	1/16	1/16	1/16	1/35
	Flexible cable min*/max (top)		mm²	0.75/10	0.75/10	0.75/10	0.75/25
	Rigid cable min/max (bottom)		mm²	1/16	1/16	1/16	1/35
	Flexible cable min*/max (bottom)		mm²	0.75/10	0.75/10	0.75/10	0.75/25
	(* Flexible cable 0.75/1/1.5 mm² with cable lug)						
	Torque		Nm	2.5	2.5	2.5	4.5
Add-on devices (side add-on)	Auxiliary contacts			yes	yes	yes	-
	Tele U			-	-	-	-
	Tele L			yes	yes	yes	-
	Tele Mp			-	-	-	-
	PBS			-	-	-	-
Busbar systems	Pin (top/bottom)			yes/yes	yes/yes	yes/yes	yes/yes
	Fork (top/bottom)			-	-	-	-/yes
Accessories				yes	yes	yes	-
Dimensions, weights, packaging							
(HxDxW) 86x68xW		mm/mod.		18	18	18	18
Weight/mod.		g		120	120	120	120
Package		mod.		12	12	12	12
Approvals				KEMA	KEMA	KEMA	-
CE-marking				yes	yes	yes	yes
Page				A.8	A.10	A.12	A.14

(1) Preferred values of rated control supply voltage (IEC 60947-2): 24V, 48V, 110V, 125V, 220V, 250V



G30	G45	G60 EP60	G100 EP100	GT10	GT25	EP100 UC	Hti
IEC 60898	IEC 60898	IEC 60898	IEC 60898	IEC 60947-2	IEC 60947-2	(3)	IEC 60947-2
B, C	B, C	B, C, D, K ⁽²⁾	B, C, D, K ⁽²⁾	3-5In/5-10In/10-20In	3-5In/5-10In/10-20In	B, C	3-5In/5-10In/10-20In
2-40	2-40	B(6-63), C/D/K(0.5-63)	B(6-63), C/D/K(0.5-63)	0.5-63	0.5-63	B(6-63), C(0.5-63)	80 upto 125
30	30	30	30	40	40	30	40
1/2/3/4	1/2/3/4	1/1+N/2/3/4 ⁽²⁾	1/1+N/2/3/4 ⁽²⁾	1/2/3/4	1/2/3/4	1/2	1/2/3/4
-	-	yes	yes	-	-	-	-
240/415	240/415	240/415	240/415	240/415	240/415	240/415	240/415
240	240	-	-	-	-	-	-
415	415	415	415	415	415	415	415
415	415	415	415	415	415	415	415
48	48	48	48	48	48	220	48
110	110	110	110	110	110	440	110
50/60	50/60	50/60	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%	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%	400: magn.trip +50%	400: magn.trip +50%	400: magn.trip +50%
250/440; 53/120 ==	250/440; 53/120 ==	250/440; 53/120 ==	250/440; 53/120 ==	250/440; 53/120 ==	250/440; 53/120 ==	250/440; 250/440 ==	250/440; 53/120 ==
12; 12 ==	12; 12 ==	12; 12 ==	12; 12 ==	12; 12 ==	12; 12 ==	12; 12 ==	12; 12 ==
3	3	3	3	-	-	3	-
yes	yes	yes	yes	yes	yes	yes	yes
500	500	500	500	500	500	500	500
440	440	440	440	440	440	440	440
6	6	6	6	6	6	6	6
10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
3g	3g	3g	3g	3g	3g	5g	3g
10,000	10,000	10,000	10,000	4000	4000	1000	4000
20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
A	A	A	A	A	A	A	A
any	any	any	any	any	any	any	any
yes	yes	yes	yes	yes	yes	follow polarity	yes
IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40
V2	V2	V2	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	+55°C/95% RH	+55°C/95% RH	+55°C/95% RH
-25/+55	-25/+55	-25/+55	-25/+55	-25/+55	-25/+55	-25/+55	-25/+55
-55/+55	-55/+55	-55/+55	-55/+55	-55/+55	-55/+55	-55/+55	-55/+55
1/35	1/35	1/35	1/35	1/35	1/35	1/35	70
0.75/25	0.75/25	0.75/25	0.75/25	0.75/25	0.75/25	0.75/25	-
1/35	1/35	1/35	1/35	1/35	1/35	1/35	70
0.75/25	0.75/25	0.75/25	0.75/25	0.75/25	0.75/25	0.75/25	-
4.5	4.5	4.5	4.5	4.5	4.5	4.5	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/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	18	18	18	18	18	27
120	120	120	120	120	120	125	210
12	12	12	12	12	12	12	12
KEMA	KEMA	KEMA	KEMA	-	-	-	-
yes	yes	yes	yes	yes	yes	yes	yes
A.16	A.18	A.20 ⁽²⁾	A.24 ⁽²⁾	A.28	A.30	A.32	A.34

(2) Motor lines application
no I+N execution in K curve
EP60K in page A.22
EP100K in page A.26

(3) IEC 60898-2 and VDE 0641-2/3



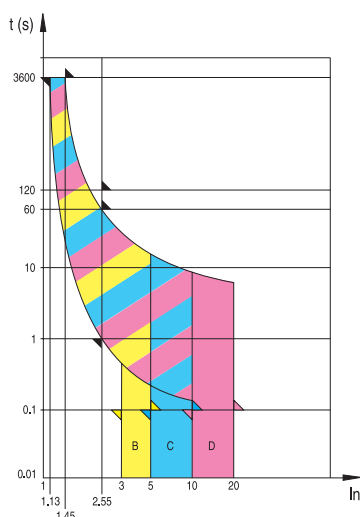
Short-circuit capacity of MCB's

Series			C30	C45	C60	G20
Short-circuit capacity AC (kA)						
IEC 60898	Icn	1P 230/400V	3	4.5	6	3
		1P+N 230V	3	4.5	6	3
		2P 230/400V	3	4.5	6	3
		3P/3P+N/4P 230/400V	3	4.5	6	3
	Ics (service)		100% Icn	100% Icn	100% Icn	100% Icn
IEC 60947-2	Icu (ultimate)	1P 127V	-	-	-	-
		240V	-	-	-	-
		415V	-	-	-	-
		1P+N/2P 127V	-	-	-	-
		240V	-	6	7.5	-
		2P 415V	-	-	-	-
		3P, 4P 240V	-	-	-	-
		415V	-	-	-	-
		440V	-	-	-	-
	Ics (service)		-	-	-	-
NEMA AB1 (120/240V)		-	-	-	-	
Short-circuit capacity DC (kA)						
IEC 60947-2	Icu (ultimate)	1P ≤60V ≡	-	-	-	-
		≤220V ≡	-	-	-	-
		2P ≤125V ≡	-	-	-	-
		≤440V ≡	-	-	-	-
	Ics (service)		-	-	-	-
Page			A.8	A.10	A.12	A.14

Characteristics according to EN/IEC 60898

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)



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.

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

(1) if I_n ≤ 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 I _n	t ≥ 1h (I _n ≤ 63A) t ≥ 2h (I _n > 63A)
1.45 x I _n	t < 1h (I _n ≤ 63A) t < 2h (I _n > 63A)
2.55 x I _n	1s < t < 60s (I _n ≤ 32A) 1s < t < 120s (I _n > 32A)

G30	G45	G60 EP60K	G100 EP100K	GT10	GT25	EP100 UC	Hti
3	4.5	6	10	-	-	6 (220VDC) ⁽²⁾	-
3	4.5	6	10	-	-	-	-
3	4.5	6	10	-	-	6 (440VDC) ⁽³⁾	-
3	4.5	6	10	-	-	-	-
100% I _{cn}	100% I _{cn}	100% I _{cn}	75% I _{cn}	-	-	100% I _{cn}	-
-	-	20	30	25	50	-	-
5	6	10	15	10	50/25/20/15 ⁽¹⁾	10	B/C 10; D 7.5
3	3	3	4	-	-	-	4.5
-	15	30	40	30	-	-	-
10	10	20	30	20	50/50/40/30 ⁽¹⁾	-	B/C 15
5	6	10	15	10	50/25/20/15 ⁽¹⁾	10	B/C 10; D 7.5
10	10	20	30	20	50/50/40/30 ⁽¹⁾	-	B/C 15
5	6	10	15	10	50/25/20/15 ⁽¹⁾	-	B/C 10; D 7.5
-	-	6	10	-	50/20/15/10 ⁽¹⁾	-	-
75% I _{cu}	75% I _{cu}	75% I _{cu}	50% I _{cu}	75% I _{cu}	50% I _{cu}	-	100% I _{cu}
10	14	20	30	30	-	-	-
-	-	20	25	20	25	-	10
-	-	-	-	-	-	10 ⁽⁴⁾	-
-	-	25	30	25	30	-	15
-	-	-	-	-	-	10 ⁽⁴⁾	-
-	-	100% I _{cu}	100% I _{cu}	100% I _{cu}	100% I _{cu}	-	100% I _{cu}
A.16	A.18	A.20 ⁽⁵⁾	A.24 ⁽⁵⁾	A.28	A.30	A.32	A.34

(1) 0.5-4A/6-25A/32-40A/50-63A

(2) 10 (125VDC)

(3) 10 (250VDC)

(4) T = 4ms

(5) EP60K in page A.22

EP100K in page A.26

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 I_n
- C: 8.5 I_n (7.5 I_n for 63A)
- D and M: 14 I_n
- K: 10 I_n (6 I_n ≥ 2 s.)

Thermal release

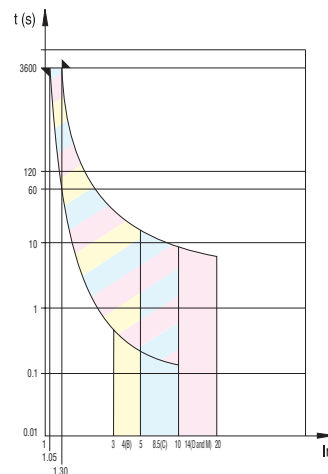
The release is initiated by a bimetal strip in case of overload. The standard defines the range of releases for two special overload values.

Reference ambient temperature is:

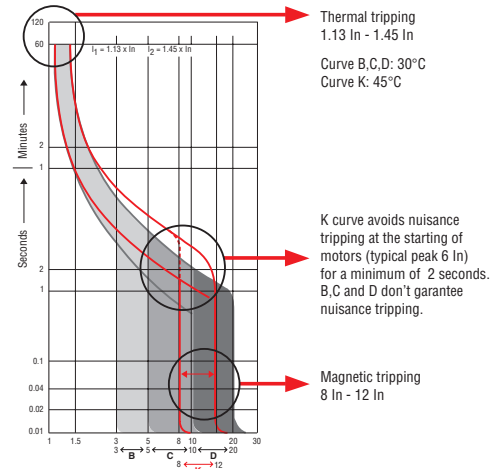
- 40°C for GT10 and GT25
- 50°C for G60 and G100, except for K: 45°C

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

Tripping characteristic curves (EN/IEC 60947-2)



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





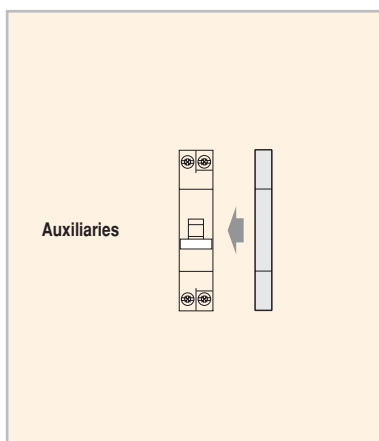
Applications



Approval / Marking



Add-on devices



Auxiliary contacts ● pg A.9
Shunt trip ● pg A.9

Busbars ● pg E.1
More technical data ● website
Dimensions ● pg A.40

Miniature Circuit Breakers

C30

IEC 60898

3000

3

Performance

Thermal setting I_n	(A) 2-32
Rated voltage AC U_n	(V) 230
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	C
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	10-16
Poles	1+N (1mod)
Weight	(g/pole) 120

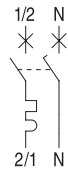
Short-circuit capacity

Acc. to IEC 60898

Poles	V	I_{cn}/I_{cs} (kA)
1+N	230	3



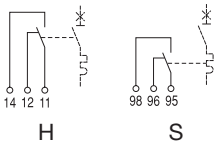
1P+N
1 mod.



Series C30 - 3kA - characteristic C

In (A)	Cat. No.	Ref. No.	Pack.
2	C31NC02	676702	12
4	C31NC04	676703	12
6	C31NC06	676704	12
10	C31NC10	676705	12
16	C31NC16	676706	12
20	C31NC20	676707	12
25	C31NC25	676708	12
32	C31NC32	676709	12

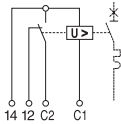
Auxiliary contacts



1/2 mod.

	Functions	Cat. No.	Ref. No.	Pack.
Coupling on the right	H/S	CAD	676580	1
	H+S+Reset	CA+CDR	676583	1

Shunt trip - Tele L



1 mod.

	Rated voltage (V)	Cat. No.	Ref. No.	Pack.
Coupling on the right	24-60 AC 24-48 DC	TELE L 24	676591	1
	110-415 AC 110-125 DC	TELE L 110	676590	1





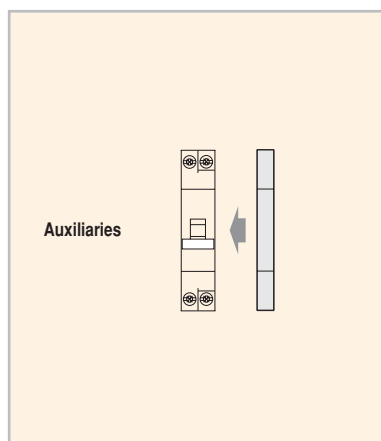
Applications



Approval / Marking



Add-on devices



Auxiliary contacts ● pg A.11
Shunt trip ● pg A.11

Busbars ● pg E.1
More technical data ● website
Dimensions ● pg A.40

Miniature Circuit Breakers

C45

IEC 60898	4500
	3
IEC 60947-2	6kA

Performance

Thermal setting I_n	(A) 2-32
Rated voltage AC U_n	(V) 230
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	10-16
Poles	1+N (1mod)
Weight	(g/pole) 120

Short-circuit capacity

Acc. to IEC 60898

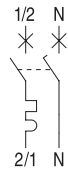
Poles	V	I_{cn}/I_{cs} (kA)
1+N	230	3

Acc. to IEC 60947-2

Poles	V	I_{cu} (kA)
1+N	230	6



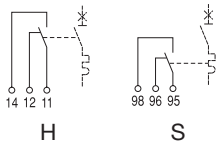
1P+N
1 mod.



Series C45 - 4.5kA - characteristics B-C

In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2			C41NC02	676713	12
4			C41NC04	676714	12
6	C41NB06	676722	C41NC06	676715	12
10	C41NB10	676723	C41NC10	676716	12
16	C41NB16	676724	C41NC16	676717	12
20	C41NB20	676725	C41NC20	676718	12
25	C41NB25	676726	C41NC25	676719	12
32	C41NB32	676727	C41NC32	676720	12

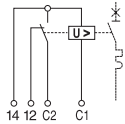
Auxiliary contacts



1/2 mod.

	Functions	Cat. No.	Ref. No.	Pack.
Coupling on the right	H/S	CAD	676580	1
	H+S+Reset	CA+CDR	676583	1

Shunt trip - Tele L



1 mod.

	Rated voltage (V)	Cat. No.	Ref. No.	Pack.
Coupling on the right	24-60 AC	TELE L 24	676591	1
	24-48 DC			
	110-415 AC	TELE L 110	676590	1
	110-125 DC			





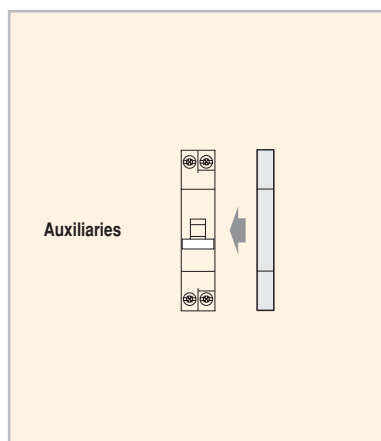
Applications



Approval / Marking



Add-on devices



Auxiliary contacts ● pg A.13
Shunt trip ● pg A.13

Busbars ● pg E.1
More technical data ● website
Dimensions ● pg A.40

Miniature Circuit Breakers

C60

IEC 60898	6000
	3
IEC 60947-2	7.5kA

Performance

Thermal setting I_n	(A) 2-32
Rated voltage AC U_n	(V) 230
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	10-16
Poles	1+N (1mod)
Weight	(g/pole) 120

Short-circuit capacity

Acc. to IEC 60898

Poles	V	I_{cn}/I_{cs} (kA)
1+N	230	6

Acc. to IEC 60947-2

Poles	V	I_{cu} (kA)
1+N	230	7.5



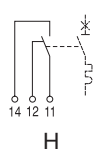
1P+N
1 mod.



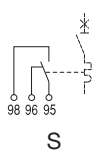
Series C60 - 6kA - characteristics B-C

In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2			C61NC02	676731	12
4			C61NC04	676732	12
6	C61NB06	676740	C61NC06	676733	12
10	C61NB10	676741	C61NC10	676734	12
16	C61NB16	676742	C61NC16	676735	12
20	C61NB20	676743	C61NC20	676736	12
25	C61NB25	676744	C61NC25	676737	12
32	C61NB32	676745	C61NC32	676738	12

Auxiliary contacts



H

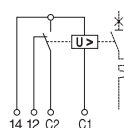


S

1/2 mod.

	Functions	Cat. No.	Ref. No.	Pack.
Coupling on the right	H/S	CAD	676580	1
	H+S+Reset	CA+CDR	676583	1

Shunt trip - Tele L



1 mod.

	Rated voltage (V)	Cat. No.	Ref. No.	Pack.
Coupling on the right	24-60 AC 24-48 DC	TELE L 24	676591	1
	110-415 AC 110-125 DC	TELE L 110	676590	1



Miniature Circuit Breakers

G20

IEC 60898

3000

Applications



Marking



Performance

Thermal setting I_n	(A) 6-40
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	C
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

Acc. to IEC 60898

Poles	V	I_{cn}/I_{cs} (kA)
1+N	230	3

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Series G20 - 3kA - characteristic C



1P
1 mod.



In (A)	Cat. No.	Ref. No.	Pack.
6	G21C06	674351	12
10	G21C10	674352	12
16	G21C16	674353	12
20	G21C20	674354	12
25	G21C25	674355	12
32	G21C32	674356	12
40	G21C40	674357	12



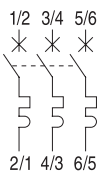
2P
2 mod.



6	G22C06	674358	6
10	G22C10	674359	6
16	G22C16	674360	6
20	G22C20	674361	6
25	G22C25	674362	6
32	G22C32	674363	6
40	G22C40	674364	6



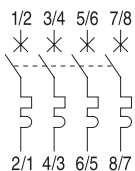
3P
3 mod.



6	G23C06	674365	4
10	G23C10	674366	4
16	G23C16	674367	4
20	G23C20	674368	4
25	G23C25	674369	4
32	G23C32	674370	4
40	G23C40	674371	4



4P
4 mod.



6	G24C06	674372	3
10	G24C10	674373	3
16	G24C16	674374	3
20	G24C20	674375	3
25	G24C25	674376	3
32	G24C32	674377	3
40	G24C40	674378	3



Miniature Circuit Breakers

G30

IEC 60898	3000
	3
IEC 60947-2	5kA

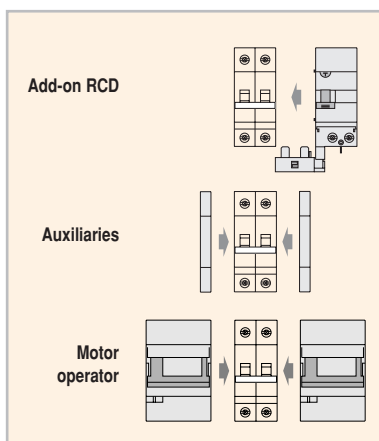
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

Acc. to IEC 60898

Poles	V	I_{cn}/I_{cs} (kA)
1-4	230/400	3

Acc. to IEC 60947-2

Poles	V	I_{cu} (kA)
1	240	5
2	127	-
	240	10
	415	5
3, 4	240	10
	415	5

Series G30 - 3kA - characteristics B-C



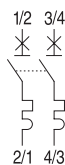
1P
1 mod.



In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2			G31C02	674381	12
4			G31C04	674383	12
6	G31B06	674443	G31C06	674384	12
10	G31B10	674445	G31C10	674386	12
16	G31B16	674447	G31C16	674388	12
20	G31B20	674448	G31C20	674389	12
25	G31B25	674449	G31C25	674390	12
32	G31B32	674450	G31C32	674391	12
40	G31B40	674451	G31C40	674392	12



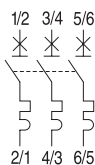
2P
2 mod.



2			G32C02	674397	6
4			G32C04	674399	6
6	G32B06	674454	G32C06	674400	6
10	G32B10	674456	G32C10	674402	6
16	G32B16	674458	G32C16	674404	6
20	G32B20	674459	G32C20	674405	6
25	G32B25	674460	G32C25	674406	6
32	G32B32	674461	G32C32	674407	6
40	G32B40	674462	G32C40	674408	6



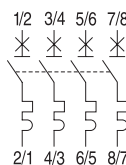
3P
3 mod.



2			G33C02	674413	4
4			G33C04	674415	4
6	G33B06	674466	G33C06	674416	4
10	G33B10	674468	G33C10	674418	4
16	G33B16	674470	G33C16	674420	4
20	G33B20	674471	G33C20	674421	4
25	G33B25	674472	G33C25	674422	4
32	G33B32	674473	G33C32	674423	4
40	G33B40	674474	G33C40	674424	4



4P
4 mod.



2			G34C02	674429	3
4			G34C04	674431	3
6	G34B06	674477	G34C06	674432	3
10	G34B10	674479	G34C10	674434	3
16	G34B16	674481	G34C16	674436	3
20	G34B20	674482	G34C20	674437	3
25	G34B25	674483	G34C25	674438	3
32	G34B32	674484	G34C32	674439	3
40	G34B40	674485	G34C40	674440	3



Miniature Circuit Breakers

G45

IEC 60898	4500
	3
IEC 60947-2	6kA

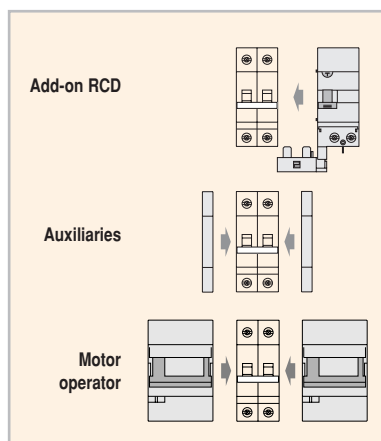
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

Acc. to IEC 60898

Poles	V	I_{cn}/I_{cs} (kA)
1-4	230/400	4.5

Acc. to IEC 60947-2

Poles	V	I_{cu} (kA)
1	240	6
2	127	15
	240	10
	415	6
3, 4	240	10
	415	6

Series G45 - 4.5kA - characteristics B-C



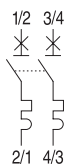
1P
1 mod.



In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2			G41C02	674490	12
4			G41C04	674492	12
6	G41B06	674552	G41C06	674493	12
10	G41B10	674554	G41C10	674495	12
16	G41B16	674556	G41C16	674497	12
20	G41B20	674557	G41C20	674498	12
25	G41B25	674558	G41C25	674499	12
32	G41B32	674559	G41C32	674500	12
40	G41B40	674560	G41C40	674501	12



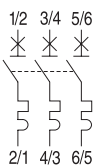
2P
2 mod.



2			G42C02	674506	6
4			G42C04	674508	6
6	G42B06	674563	G42C06	674509	6
10	G42B10	674565	G42C10	674511	6
16	G42B16	674567	G42C16	674513	6
20	G42B20	674568	G42C20	674514	6
25	G42B25	674569	G42C25	674515	6
32	G42B32	674570	G42C32	674516	6
40	G42B40	674571	G42C40	674517	6



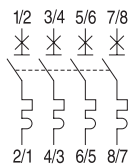
3P
3 mod.



2			G43C02	674522	4
4			G43C04	674524	4
6	G43B06	674574	G43C06	674525	4
10	G43B10	674576	G43C10	674527	4
16	G43B16	674578	G43C16	674529	4
20	G43B20	674579	G43C20	674530	4
25	G43B25	674580	G43C25	674531	4
32	G43B32	674581	G43C32	674532	4
40	G43B40	674582	G43C40	674533	4



4P
4 mod.



2			G44C02	674538	3
4			G44C04	674540	3
6	G44B06	674585	G44C06	674541	3
10	G44B10	674587	G44C10	674543	3
16	G44B16	674589	G44C16	674545	3
20	G44B20	674590	G44C20	674546	3
25	G44B25	674591	G44C25	674547	3
32	G44B32	674592	G44C32	674548	3
40	G44B40	674593	G44C40	674549	3



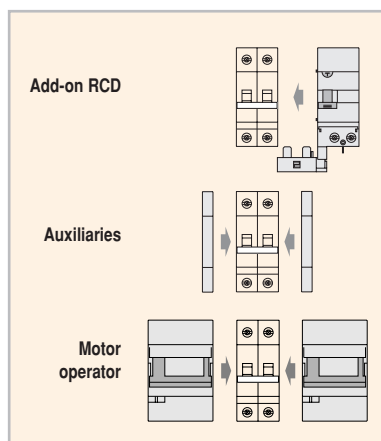
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Miniature Circuit Breakers

G60

IEC 60898

6000

3

IEC 60947-2 10kA

Special executions G60S for Shipping application in separate document.

Performances

Thermal setting I_n	(A) 2-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	B-C-D
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	25-35
Poles	1, 1+N, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60898

Poles	V	I_{cn}/I_{cs} (kA)
1-4	230/400	6

AC acc. to IEC 60947-2

Poles	V	I_{cu} (kA)*
1	240	10
1+N, 2	127	30
	240	20
2	415	10
3, 4	240	20
	415	10

* $I_{cs} = 75\% I_{cu}$

DC acc. to IEC 60947-2

Poles	V $\overline{\text{---}}$ **	I_{cu}/I_{cs} (kA)
1	60	20
2	125	25

**Nominal and Maximum VDC on page A.4-A.5

Series G60 - 6kA - characteristics B-C-D



**1P
1 mod.**



In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2			G61C02	674598	G61D02	674760	12
4			G61C04	674600	G61D04	674762	12
6	G61B06	674692	G61C06	674601	G61D06	674763	12
10	G61B10	674694	G61C10	674603	G61D10	674765	12
16	G61B16	674696	G61C16	674605	G61D16	674767	12
20	G61B20	674697	G61C20	674606	G61D20	674768	12
25	G61B25	674698	G61C25	674607	G61D25	674769	12
32	G61B32	674699	G61C32	674608	G61D32	674770	12
40	G61B40	674700	G61C40	674609	G61D40	674771	12
50	G61B50	674701	G61C50	674610	G61D50	674772	12
63	G61B63	674702	G61C63	674611	G61D63	674773	12



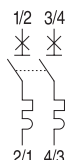
**1P+N
2 mod.**



2			G61NC02	674614	G61ND02	674776	6
4			G61NC04	674616	G61ND04	674778	6
6	G61NB06	674703	G61NC06	674617	G61ND06	674779	6
10	G61NB10	674705	G61NC10	674619	G61ND10	674781	6
16	G61NB16	674707	G61NC16	674621	G61ND16	674783	6
20	G61NB20	674708	G61NC20	674622	G61ND20	674784	6
25	G61NB25	674709	G61NC25	674623	G61ND25	674785	6
32	G61NB32	674710	G61NC32	674624	G61ND32	674786	6
40	G61NB40	674711	G61NC40	674625	G61ND40	674787	6
50	G61NB50	674712	G61NC50	674626	G61ND50	674788	6
63	G61NB63	674713	G61NC63	674627	G61ND63	674789	6



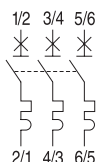
**2P
2 mod.**



2			G62C02	674630	G62D02	674792	6
4			G62C04	674632	G62D04	674794	6
6	G62B06	674714	G62C06	674633	G62D06	674795	6
10	G62B10	674716	G62C10	674635	G62D10	674797	6
16	G62B16	674718	G62C16	674637	G62D16	674799	6
20	G62B20	674719	G62C20	674638	G62D20	674800	6
25	G62B25	674720	G62C25	674639	G62D25	674801	6
32	G62B32	674721	G62C32	674640	G62D32	674802	6
40	G62B40	674722	G62C40	674641	G62D40	674803	6
50	G62B50	674723	G62C50	674642	G62D50	674804	6
63	G62B63	674724	G62C63	674643	G62D63	674805	6



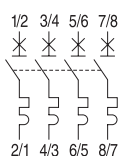
**3P
3 mod.**



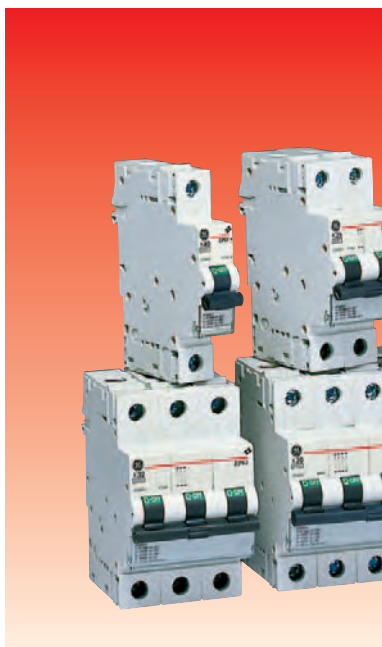
2			G63C02	674646	G63D02	674808	4
4			G63C04	674648	G63D04	674810	4
6	G63B06	674725	G63C06	674649	G63D06	674811	4
10	G63B10	674727	G63C10	674651	G63D10	674813	4
16	G63B16	674729	G63C16	674653	G63D16	674815	4
20	G63B20	674730	G63C20	674654	G63D20	674816	4
25	G63B25	674731	G63C25	674655	G63D25	674817	4
32	G63B32	674732	G63C32	674656	G63D32	674818	4
40	G63B40	674733	G63C40	674657	G63D40	674819	4
50	G63B50	674734	G63C50	674658	G63D50	674820	4
63	G63B63	674735	G63C63	674659	G63D63	674821	4



**4P
4 mod.**



0.5			G64C0.5	674660			3
2			G64C02	674662	G64D02	674824	3
4			G64C04	674664	G64D04	674826	3
6	G64B06	674736	G64C06	674665	G64D06	674827	3
10	G64B10	674738	G64C10	674667	G64D10	674829	3
16	G64B16	674740	G64C16	674669	G64D16	674831	3
20	G64B20	674741	G64C20	674670	G64D20	674832	3
25	G64B25	674742	G64C25	674671	G64D25	674833	3
32	G64B32	674743	G64C32	674672	G64D32	674834	3
40	G64B40	674744	G64C40	674673	G64D40	674835	3
50	G64B50	674745	G64C50	674674	G64D50	674836	3
63	G64B63	674746	G64C63	674675	G64D63	674837	3



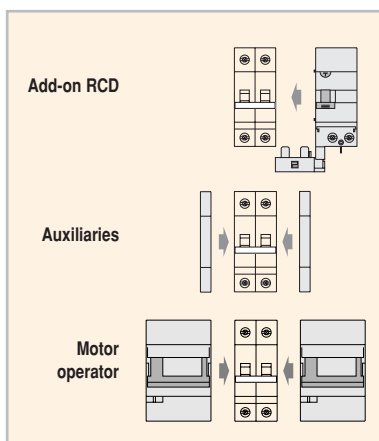
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Miniature Circuit Breakers

EP60

IEC 60898 **6000**

IEC 60947-2 **10kA**

Performances

Thermal setting I_n	(A) 2-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	8-12 I_n (K) and 6 I_n non tripping ≤ 2 sec.
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60947-2

Poles	V	I_{cu} (kA)*
1	240	10
1+N, 2	127	30
	240	20
2	415	10
3, 4	240	20
	415	10

* $I_{cs} = 75\% I_{cu}$

DC acc. to IEC 60947-2

Poles	V **	I_{cu}/I_{cs} (kA)
1	60	20
2	125	25

**Nominal and Maximum VDC on page A.4-A.5

Series EP60 - 6kA - characteristics K



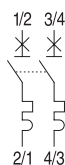
1P
1 mod.



In (A)	K		Pack.
	Cat. No.	Ref. No.	
0.5	EP61K0.5	681600	12
1	EP61K01	681601	12
1.6	EP61K1.6	681602	12
2	EP61K02	681603	12
3	EP61K03	681604	12
4	EP61K04	681605	12
6	EP61K06	681606	12
8	EP61K08	681607	12
10	EP61K10	681608	12
16	EP61K16	681609	12
20	EP61K20	681610	12
25	EP61K25	681611	12
32	EP61K32	681612	12
40	EP61K40	681613	12
50	EP61K50	681614	12
63	EP61K63	681615	12



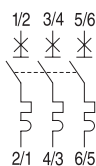
2P
2 mod.



0.5	EP62K0.5	681616	6
1	EP62K01	681617	6
1.6	EP62K1.6	681618	6
2	EP62K02	681619	6
3	EP62K03	681620	6
4	EP62K04	681621	6
6	EP62K06	681622	6
8	EP62K08	681623	6
10	EP62K10	681624	6
16	EP62K16	681625	6
20	EP62K20	681626	6
25	EP62K25	681627	6
32	EP62K32	681628	6
40	EP62K40	681629	6
50	EP62K50	681630	6
63	EP62K63	681631	6



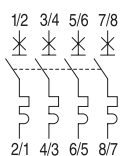
3P
3 mod.



0.5	EP63K0.5	681632	4
1	EP63K01	681633	4
1.6	EP63K1.6	681634	4
2	EP63K02	681635	4
3	EP63K03	681636	4
4	EP63K04	681637	4
6	EP63K06	681638	4
8	EP63K08	681639	4
10	EP63K10	681640	4
16	EP63K16	681641	4
20	EP63K20	681642	4
25	EP63K25	681643	4
32	EP63K32	681644	4
40	EP63K40	681645	4
50	EP63K50	681646	4
63	EP63K63	681647	4



4P
4 mod.



0.5	EP64K0.5	681648	3
1	EP64K01	681649	3
1.6	EP64K1.6	681650	3
2	EP64K02	681651	3
3	EP64K03	681652	3
4	EP64K04	681653	3
6	EP64K06	681654	3
8	EP64K08	681655	3
10	EP64K10	681656	3
16	EP64K16	681657	3
20	EP64K20	681658	3
25	EP64K25	681659	3
32	EP64K32	681660	3
40	EP64K40	681661	3
50	EP64K50	681662	3
63	EP64K63	681663	3



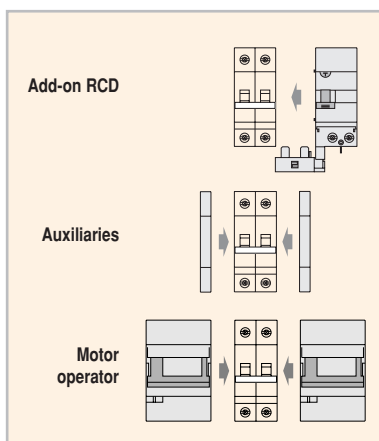
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Miniature Circuit Breakers

G100

IEC 60898	10000
	3
IEC 60947-2	15kA

Special executions G100S for Shipping application and EP100R for Railways application in separate document.

Performances

Thermal setting I_n	(A) 0.5-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	B-C-D
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm²)	25-35
Poles	1, 1+N, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60898

Poles	V	I_{cn} (kA)*
1-4	230/400	10
* $I_{cs} = 75\% I_{cu}$		

AC acc. to IEC 60947-2

Poles	V	I_{cu} (kA)*
1	240	15
1+N, 2	127	40
	240	30
2	415	15
3, 4	240	30
	415	15
* $I_{cs} = 50\% I_{cu}$		

DC acc. to IEC 60947-2

Poles	V **	I_{cu}/I_{cs} (kA)
1	60	25
2	125	30

**Nominal and Maximum VDC on page A.4-A.5

Series G100 - 10kA - characteristics B-C-D



1P
1 mod.



In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			G101C0.5	674854	G101D0.5	675016	12
1			G101C01	674855	G101D01	675017	12
2			G101C02	674856	G101D02	675018	12
3			G101C03	674857	G101D03	675019	12
4			G101C04	674858	G101D04	675020	12
6	G101B06	674950	G101C06	674859	G101D06	675021	12
10	G101B10	674952	G101C10	674861	G101D10	675023	12
13	G101B13	674953	G101C13	674862	G101D13	675024	12
16	G101B16	674954	G101C16	674863	G101D16	675025	12
20	G101B20	674955	G101C20	674864	G101D20	675026	12
25	G101B25	674956	G101C25	674865	G101D25	675027	12
32	G101B32	674957	G101C32	674866	G101D32	675028	12
40	G101B40	674958	G101C40	674867	G101D40	675029	12
50	G101B50	674959	G101C50	674868	G101D50	675030	12
63	G101B63	674960	G101C63	674869	G101D63	675031	12



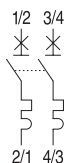
1P+N
2 mod.



In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5					G101ND0.5	675032	6
1					G101ND01	675033	6
2			G101NC02	674872	G101ND02	675034	6
3			G101NC03	674873	G101ND03	675035	6
4			G101NC04	674874	G101ND04	675036	6
6	G101NB06	674961	G101NC06	674875	G101ND06	675037	6
10	G101NB10	674963	G101NC10	674877	G101ND10	675039	6
13	G101NB13	674964	G101NC13	674878	G101ND13	675040	6
16	G101NB16	674965	G101NC16	674879	G101ND16	675041	6
20	G101NB20	674966	G101NC20	674880	G101ND20	675042	6
25	G101NB25	674967	G101NC25	674881	G101ND25	675043	6
32	G101NB32	674968	G101NC32	674882	G101ND32	675044	6
40	G101NB40	674969	G101NC40	674883	G101ND40	675045	6
50	G101NB50	674970	G101NC50	674884	G101ND50	675046	6
63	G101NB63	674971	G101NC63	674885	G101ND63	675047	6



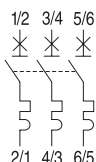
2P
2 mod.



In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			G102C0.5	674886	G102D0.5	675048	6
1			G102C01	674887	G102D01	675049	6
2			G102C02	674888	G102D02	675050	6
3			G102C03	674889	G102D03	675051	6
4			G102C04	674890	G102D04	675052	6
6	G102B06	674972	G102C06	674891	G102D06	675053	6
10	G102B10	674974	G102C10	674893	G102D10	675055	6
13	G102B13	674975	G102C13	674894	G102D13	675056	6
16	G102B16	674976	G102C16	674895	G102D16	675057	6
20	G102B20	674977	G102C20	674896	G102D20	675058	6
25	G102B25	674978	G102C25	674897	G102D25	675059	6
32	G102B32	674979	G102C32	674898	G102D32	675060	6
40	G102B40	674980	G102C40	674899	G102D40	675061	6
50	G102B50	674981	G102C50	674900	G102D50	675062	6
63	G102B63	674982	G102C63	674901	G102D63	675063	6



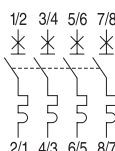
3P
3 mod.



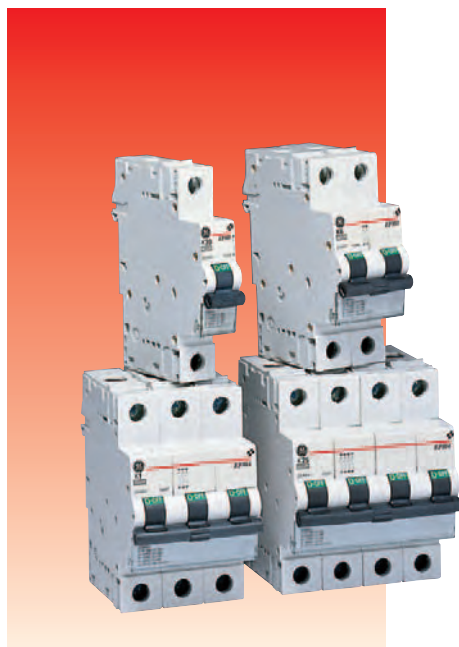
In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			G103C0.5	674902	G103D0.5	675064	4
1			G103C01	674903	G103D01	675065	4
2			G103C02	674904	G103D02	675066	4
3			G103C03	674905	G103D03	675067	4
4			G103C04	674906	G103D04	675068	4
6	G103B06	674983	G103C06	674907	G103D06	675069	4
10	G103B10	674985	G103C10	674909	G103D10	675071	4
13	G103B13	674986	G103C13	674910	G103D13	675072	4
16	G103B16	674987	G103C16	674911	G103D16	675073	4
20	G103B20	674988	G103C20	674912	G103D20	675074	4
25	G103B25	674989	G103C25	674913	G103D25	675075	4
32	G103B32	674990	G103C32	674914	G103D32	675076	4
40	G103B40	674991	G103C40	674915	G103D40	675077	4
50	G103B50	674992	G103C50	674916	G103D50	675078	4
63	G103B63	674993	G103C63	674917	G103D63	675079	4



4P
4 mod.



In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			G104C0.5	674918	G104D0.5	675080	3
1			G104C01	674919	G104D01	675081	3
2			G104C02	674920	G104D02	675082	3
3			G104C03	674921	G104D03	675083	3
4			G104C04	674922	G104D04	675084	3
6	G104B06	674994	G104C06	674923	G104D06	675085	3
10	G104B10	674996	G104C10	674925	G104D10	675087	3
13	G104B13	674997	G104C13	674926	G104D13	675088	3
16	G104B16	674998	G104C16	674927	G104D16	675089	3
20	G104B20	674999	G104C20	674928	G104D20	675090	3
25	G104B25	675000	G104C25	674929	G104D25	675091	3
32	G104B32	675001	G104C32	674930	G104D32	675092	3
40	G104B40	675002	G104C40	674931	G104D40	675093	3
50	G104B50	675003	G104C50	674932	G104D50	675094	3
63	G104B63	675004	G104C63	674933	G104D63	675095	3



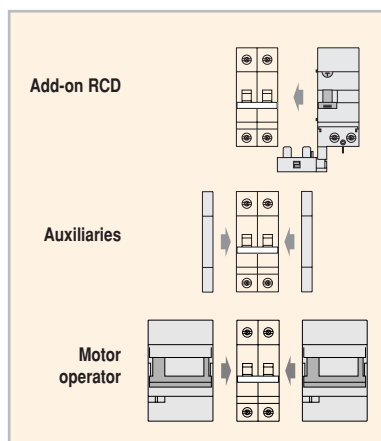
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Miniature Circuit Breakers

EP100

IEC 60898 10000

IEC 60947-2 15kA

Performances

Thermal setting I_n	(A) 0.5-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B\ min}$	(V) 12
Tripping characteristics	8-12 I_n (K) and 6 I_n non tripping ≤ 2 sec.
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60947-2

Poles	V	I_{cu} (kA)*
1	240	15
1+N, 2	127	40
	240	30
2	415	15
3, 4	240	30
	415	15

* $I_{cs} = 50\% I_{cu}$

DC acc. to IEC 60947-2

Poles	V $\equiv$ **	I_{cu}/I_{cs} (kA)
1	60	25
2	125	30

**Nominal and Maximum VDC on page A.4-A.5

Series EP100 - 10kA - characteristics K



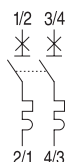
1P
1 mod.



In (A)	K		Pack.
	Cat. No.	Ref. No.	
0.5	EP101K0,5	672402	12
1	EP101K1	672403	12
1.6	EP101K1,6	681588	12
2	EP101K2	672404	12
3	EP101K03	672405	12
4	EP101K4	672406	12
6	EP101K6	672407	12
8	EP101K08	672408	12
10	EP101K10	672409	12
16	EP101K16	672411	12
20	EP101K20	672412	12
25	EP101K25	672413	12
32	EP101K32	672414	12
40	EP101K40	672415	12
50	EP101K50	672416	12
63	EP101K63	672417	12



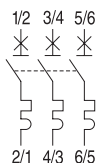
2P
2 mod.



0.5	EP102K0,5	672434	6
1	EP102K1	672435	6
1.6	EP102K1,6	681591	6
2	EP102K2	672436	6
3	EP102K03	672437	6
4	EP102K4	672438	6
6	EP102K6	672439	6
8	EP102K08	672440	6
10	EP102K10	672441	6
16	EP102K16	672443	6
20	EP102K20	672444	6
25	EP102K25	672445	6
32	EP102K32	672446	6
40	EP102K40	672447	6
50	EP102K50	672448	6
63	EP102K63	672449	6



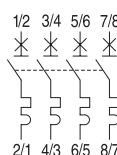
3P
3 mod.



0.5	EP103K0,5	672450	4
1	EP103K1	672451	4
1.6	EP103K1,6	681594	4
2	EP103K2	672452	4
3	EP103K03	672453	4
4	EP103K4	672454	4
6	EP103K6	672455	4
8	EP103K08	672456	4
10	EP103K10	672457	4
16	EP103K16	672459	4
20	EP103K20	672460	4
25	EP103K25	672461	4
32	EP103K32	672462	4
40	EP103K40	672463	4
50	EP103K50	672464	4
63	EP103K63	672465	4



4P
4 mod.



0.5	EP104K0,5	672466	3
1	EP104K1	672467	3
1.6	EP104K1,6	681597	3
2	EP104K2	672468	3
3	EP104K03	672469	3
4	EP104K4	672470	3
6	EP104K6	672471	3
8	EP104K08	672472	3
10	EP104K10	672473	3
16	EP104K16	672475	3
20	EP104K20	672476	3
25	EP104K25	672477	3
32	EP104K32	672478	3
40	EP104K40	672479	3
50	EP104K50	672480	3
63	EP104K63	672481	3



Miniature Circuit Breakers

GT10

IEC 60947

10kA

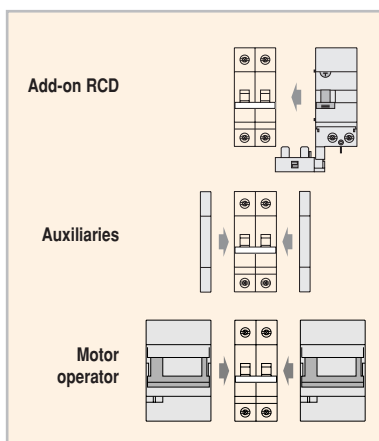
Applications



Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Performances

Thermal setting I_n	(A) 0.5-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	3-5 I_n (B) 5-10 I_n (C) 10-20 I_n (D)
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC according to IEC 60947-2

Poles	V	I_{cu} (kA)*
1	240	10
2	127	30
	240	20
	415	10
3, 4	240	20
	415	10

* $I_{cs} = 75\% I_{cu}$

DC according to IEC 60947-2

Poles	V **	I_{cu} (kA)/ I_{cs} (kA)
1	60	20
2	125	25

**Nominal and Maximum VDC on page A.4-A.5

Series GT10 - 10kA - 3-5In (B), 5-10In (C), 10-20In (D)



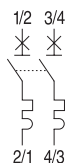
1P
1 mod.



In (A)	3-5In (B)		5-10In (C)		10-20In (D)		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			GT101C0.5	675112	GT101D0.5	675220	12
1			GT101C01	675113	GT101D01	675221	12
2			GT101C02	675114	GT101D02	675222	12
3			GT101C03	675115	GT101D03	675223	12
4			GT101C04	675116	GT101D04	675224	12
6	GT101B06	675176	GT101C06	675117	GT101D06	675225	12
10	GT101B10	675178	GT101C10	675119	GT101D10	675227	12
13	GT101B13	675179	GT101C13	675120	GT101D13	675228	12
16	GT101B16	675180	GT101C16	675121	GT101D16	675229	12
20	GT101B20	675181	GT101C20	675122	GT101D20	675230	12
25	GT101B25	675182	GT101C25	675123	GT101D25	675231	12
32	GT101B32	675183	GT101C32	675124	GT101D32	675232	12
40	GT101B40	675184	GT101C40	675125	GT101D40	675233	12
50	GT101B50	675185	GT101C50	675126	GT101D50	675234	12
63	GT101B63	675186	GT101C63	675127	GT101D63	675235	12



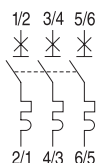
2P
2 mod.



0.5			GT102C0.5	675128	GT102D0.5	675236	6
1			GT102C01	675129	GT102D01	675237	6
2			GT102C02	675130	GT102D02	675238	6
3			GT102C03	675131	GT102D03	675239	6
4			GT102C04	675132	GT102D04	675240	6
6	GT102B06	675187	GT102C06	675133	GT102D06	675241	6
10	GT102B10	675189	GT102C10	675135	GT102D10	675243	6
13	GT102B13	675190	GT102C13	675136	GT102D13	675244	6
16	GT102B16	675191	GT102C16	675137	GT102D16	675245	6
20	GT102B20	675192	GT102C20	675138	GT102D20	675246	6
25	GT102B25	675193	GT102C25	675139	GT102D25	675247	6
32	GT102B32	675194	GT102C32	675140	GT102D32	675248	6
40	GT102B40	675195	GT102C40	675141	GT102D40	675249	6
50	GT102B50	675196	GT102C50	675142	GT102D50	675250	6
63	GT102B63	675197	GT102C63	675143	GT102D63	675251	6



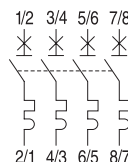
3P
3 mod.



0.5			GT103C0.5	675144	GT103D0.5	675252	4
1			GT103C01	675145	GT103D01	675253	4
2			GT103C02	675146	GT103D02	675254	4
3			GT103C03	675147	GT103D03	675255	4
4			GT103C04	675148	GT103D04	675256	4
6	GT103B06	675198	GT103C06	675149	GT103D06	675257	4
10	GT103B10	675200	GT103C10	675151	GT103D10	675259	4
13	GT103B13	675201	GT103C13	675152	GT103D13	675260	4
16	GT103B16	675202	GT103C16	675153	GT103D16	675261	4
20	GT103B20	675203	GT103C20	675154	GT103D20	675262	4
25	GT103B25	675204	GT103C25	675155	GT103D25	675263	4
32	GT103B32	675205	GT103C32	675156	GT103D32	675264	4
40	GT103B40	675206	GT103C40	675157	GT103D40	675265	4
50	GT103B50	675207	GT103C50	675158	GT103D50	675266	4
63	GT103B63	675208	GT103C63	675159	GT103D63	675267	4



4P
4 mod.



0.5			GT104C0.5	675160	GT104D0.5	675268	3
1			GT104C01	675161	GT104D01	675269	3
2			GT104C02	675162	GT104D02	675270	3
3			GT104C03	675163	GT104D03	675271	3
4			GT104C04	675164	GT104D04	675272	3
6	GT104B06	675209	GT104C06	675165	GT104D06	675273	3
10	GT104B10	675211	GT104C10	675167	GT104D10	675275	3
13	GT104B13	675212	GT104C13	675168	GT104D13	675276	3
16	GT104B16	675213	GT104C16	675169	GT104D16	675277	3
20	GT104B20	675214	GT104C20	675170	GT104D20	675278	3
25	GT104B25	675215	GT104C25	675171	GT104D25	675279	3
32	GT104B32	675216	GT104C32	675172	GT104D32	675280	3
40	GT104B40	675217	GT104C40	675173	GT104D40	675281	3
50	GT104B50	675218	GT104C50	675174	GT104D50	675282	3
63	GT104B63	675219	GT104C63	675175	GT104D63	675283	3



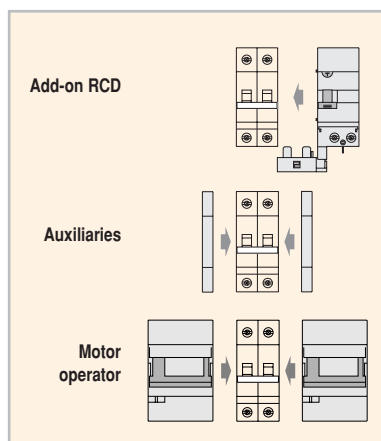
Applications



Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Miniature Circuit Breakers

GT25

IEC 60947-2	50kA
	25kA
	20kA
	15kA

Performances

Thermal setting I_n	(A) 0.5-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	3-5 I_n (B) 5-10 I_n (C) 10-20 I_n (D)
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

Acc. to IEC 60947-2

I_n (A)	Poles	V	I_{cu} (kA) ⁽¹⁾
0.5-4	1	240	50
	2-4	415	50
6-25	1	240	25
	2-4	240	50
32-40	1	415	25
		240	20
	2-4	240	40
		415	20
50-63	1	240	15
		240	30
	2-4	415	15

(1) $I_{cs} = 50\% I_{cu}$

DC acc. to IEC 60947-2

Poles	V $\equiv$ **	I_{cu}/I_{cs} (kA)
1	60	25
2	125	30

**Nominal and Maximum VDC on page A.4-A.5

Series GT25 - 25kA - 3-5In (B), 5-10In (C), 10-20In (D)



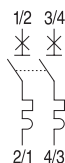
1P
1 mod.



In (A)	3-5In (B)		5-10In (C)		10-20In (D)		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			GT251C0.5	675284	GT251D0.5	675392	12
1			GT251C01	675285	GT251D01	675393	12
2			GT251C02	675286	GT251D02	675394	12
4			GT251C04	675288	GT251D04	675396	12
6	GT251B06	675348	GT251C06	675289	GT251D06	675397	12
10	GT251B10	675350	GT251C10	675291	GT251D10	675399	12
16	GT251B16	675352	GT251C16	675293	GT251D16	675401	12
20	GT251B20	675353	GT251C20	675294	GT251D20	675402	12
25	GT251B25	675354	GT251C25	675295	GT251D25	675403	12
32	GT251B32	675355	GT251C32	675296	GT251D32	675404	12
40	GT251B40	675356	GT251C40	675297	GT251D40	675405	12
50	GT251B50	675357	GT251C50	675298	GT251D50	675406	12
63	GT251B63	675358	GT251C63	675299	GT251D63	675407	12



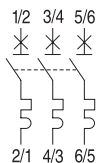
2P
2 mod.



0.5			GT252C0.5	675300	GT252D0.5	675408	6
1			GT252C01	675301	GT252D01	675409	6
2			GT252C02	675302	GT252D02	675410	6
4			GT252C04	675304	GT252D04	675412	6
6	GT252B06	675359	GT252C06	675305	GT252D06	675413	6
10	GT252B10	675361	GT252C10	675307	GT252D10	675415	6
16	GT252B16	675363	GT252C16	675309	GT252D16	675417	6
20	GT252B20	675364	GT252C20	675310	GT252D20	675418	6
25	GT252B25	675365	GT252C25	675311	GT252D25	675419	6
32	GT252B32	675366	GT252C32	675312	GT252D32	675420	6
40	GT252B40	675367	GT252C40	675313	GT252D40	675421	6
50	GT252B50	675368	GT252C50	675314	GT252D50	675422	6
63	GT252B63	675369	GT252C63	675315	GT252D63	675423	6



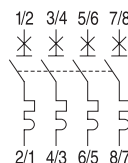
3P
3 mod.



0.5			GT253C0.5	675316	GT253D0.5	675424	4
1			GT253C01	675317	GT253D01	675425	4
2			GT253C02	675318	GT253D02	675426	4
4			GT253C04	675320	GT253D04	675428	4
6	GT253B06	675370	GT253C06	675321	GT253D06	675429	4
10	GT253B10	675372	GT253C10	675323	GT253D10	675431	4
16	GT253B16	675374	GT253C16	675325	GT253D16	675433	4
20	GT253B20	675375	GT253C20	675326	GT253D20	675434	4
25	GT253B25	675376	GT253C25	675327	GT253D25	675435	4
32	GT253B32	675377	GT253C32	675328	GT253D32	675436	4
40	GT253B40	675378	GT253C40	675329	GT253D40	675437	4
50	GT253B50	675379	GT253C50	675330	GT253D50	675438	4
63	GT253B63	675380	GT253C63	675331	GT253D63	675439	4



4P
4 mod.



0.5			GT254C0.5	675332	GT254D0.5	675440	3
1			GT254C01	675333	GT254D01	675441	3
2			GT254C02	675334	GT254D02	675442	3
4			GT254C04	675336	GT254D04	675444	3
6	GT254B06	675381	GT254C06	675337	GT254D06	675445	3
10	GT254B10	675383	GT254C10	675339	GT254D10	675447	3
16	GT254B16	675385	GT254C16	675341	GT254D16	675449	3
20	GT254B20	675386	GT254C20	675342	GT254D20	675450	3
25	GT254B25	675387	GT254C25	675343	GT254D25	675451	3
32	GT254B32	675388	GT254C32	675344	GT254D32	675452	3
40	GT254B40	675389	GT254C40	675345	GT254D40	675453	3
50	GT254B50	675390	GT254C50	675346	GT254D50	675454	3
63	GT254B63	675391	GT254C63	675347	GT254D63	675455	3



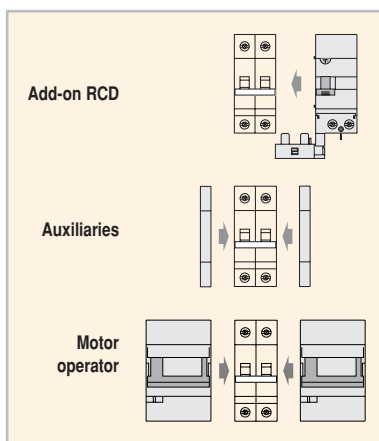
Applications



Standards / Marking

IEC 60898-2, DIN VDE 0641 

Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel Board Switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Miniature Circuit Breakers

EP100 UC

IEC 60898-2
DIN VDE 0641

6000 T15

IEC 60947-2 **10kA**

Performance

Thermal setting I_n	(A) 0.5 -63
Rated voltage AC U_n	(V) 230/400 220/440 $\equiv$
Minimum operating voltage U_{Bmin}	(V) 12 12 $\equiv$
Tripping characteristics	B-C
Mechanical/electrical endurance	20000/10000
Tropicalisation acc. to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable (mm ²)	25-35
Poles ⁽¹⁾	1, 2
Weight	(g/pole) 120

Short-circuit capacity

AC/DC acc. to IEC 60898-2

Poles	V	$I_{cn}=I_{cs}$ (kA)
1	125 DC	10
	220 DC	6
	230/400 AC	6
2	250 DC	10
	440 DC	6
	400 AC	6

AC/DC acc. to IEC 60947-2

Poles	V	I_{cu} (kA)
1	220 DC	10 ⁽²⁾
2	440 DC	10 ⁽²⁾
1/2	240 AC	10

(1) Polarity labeling to be respected due to the permanent magnet in the MCB

(2) T = 4ms

Series EP100 UC - 10kA - characteristic B-C



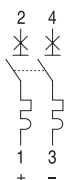
1P
1 mod.



In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			EP101UCC0.5	673301	12
1			EP101UCC01	673302	12
2			EP101UCC02	673303	12
4			EP101UCC04	673305	12
6	EP101UCB06	673333	EP101UCC06	673306	12
10	EP101UCB10	673334	EP101UCC10	673308	12
16	EP101UCB16	673335	EP101UCC16	673310	12
20	EP101UCB20	673336	EP101UCC20	673311	12
25	EP101UCB25	673337	EP101UCC25	673312	12
32	EP101UCB32	673338	EP101UCC32	673313	12
40	EP101UCB40	673339	EP101UCC40	673314	12
50	EP101UCB50	673340	EP101UCC50	673315	12
63	EP101UCB63	673341	EP101UCC63	673316	12



2P
2 mod.



0.5			EP102UCC0.5	673317	6
1			EP102UCC01	673318	6
2			EP102UCC02	673319	6
4			EP102UCC04	673321	6
6	EP102UCB06	673342	EP102UCC06	673322	6
10	EP102UCB10	673343	EP102UCC10	673324	6
16	EP102UCB16	673344	EP102UCC16	673326	6
20	EP102UCB20	673345	EP121UCC20	673327	6
25	EP102UCB25	673346	EP102UCC25	673328	6
32	EP102UCB32	673347	EP102UCC32	673329	6
40	EP102UCB40	673348	EP102UCC40	673330	6
50	EP102UCB50	673349	EP102UCC50	673331	6
63	EP102UCB63	673350	EP102UCC63	673332	6



Miniature Circuit Breakers

Series Hti

IEC 60947-2 10kA

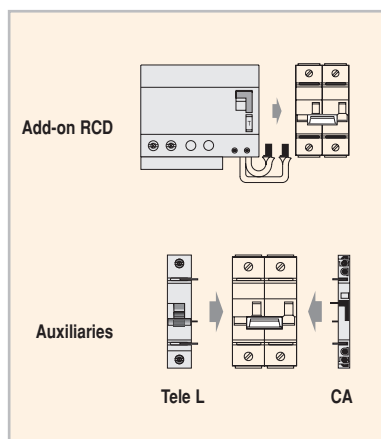
Applications



Standard / Marking

IEC 60947-2 **CE**

Add-on devices



Add-on RCD ● pg A.32
Auxiliary contacts ● pg A.33
Shunt trip ● pg A.33

More technical data ● website
Dimensions ● pg A.41

Performance

Thermal setting I_n	(A) 80-100-125
Rated voltage AC U_n	(V) 240/415
Tripping characteristics	3-5 I_n (B) 5-10 I_n (C) 10-20 I_n (D)
Mechanical/electrical endurance	10000/4000
Operating temperature	(°C) -25°C up to 55°C
Terminal capacity flexible/rigid cable (mm ²)	70
Poles	1, 2, 3, 4
Weight	(g/pole) 210

Short-circuit capacity

Acc. to IEC 60947-2 (B, C)

Poles	V	I_{cu} (kA)
1	230/400	10
2	230	15
3, 4	230	15
3, 4	400	10

Add-on RCD - technical performances

Standard	IEC 61009
Nominal current I_n	(A) 80-125
Residual current $I_{\Delta n}$	(mA) 30, 300
Rated voltage AC U_n	(V) 2P: 230/400 3P-4P: 400
Resistance against unwanted tripping	Type A, AC: 250A 8/20 μ s Type S: 3000A 8/20 μ s
Terminal capacity flexible/rigid cable (mm ²)	70
Poles	2, 3, 4

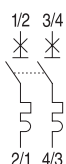
Series Hti - 10kA - characteristics B-C-D



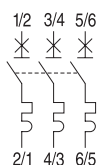
1P
1.5 mod.



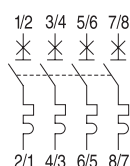
2P
3 mod.



3P
4.5 mod.



4P
6 mod.



In (A)	3-5 In (B)		5-10 In (C)		10-20 In (D)		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
80	Hti 101 B080	671504	Hti 101 C080	671528	Hti 101 D080	671552	8
100	Hti 101 B100	671505	Hti 101 C100	671529	Hti 101 D100	671553	8
125	Hti 101 B125	671506	Hti 101 C125	671530	Hti 101 D125	671554	8
80	Hti 102 B080	671510	Hti 102 C080	671534	Hti 102 D080	671558	4
100	Hti 102 B100	671511	Hti 102 C100	671535	Hti 102 D100	671559	4
125	Hti 102 B125	671512	Hti 102 C125	671536	Hti 102 D125	671560	4
80	Hti 103 B080	671516	Hti 103 C080	671540	Hti 103 D080	671564	2
100	Hti 103 B100	671517	Hti 103 C100	671541	Hti 103 D100	671565	2
125	Hti 103 B125	671518	Hti 103 C125	671542	Hti 103 D125	671566	2
80	Hti 104 B80	671522	Hti 104 C080	671546	Hti 104 D080	671570	2
100	Hti 104 B100	671523	Hti 104 C100	671547	Hti 104 D100	671571	2
125	Hti 104 B125	671524	Hti 104 C125	671548	Hti 104 D125	671572	2

Series Hti - Add-on RCD - Type AC



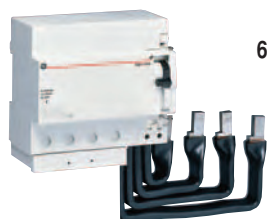
2P
6 mod.

In (A)	30 mA		300 mA		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
80-125	DOC 2125/030	671574	DOC 2125/300	671576	1



3P
6 mod.

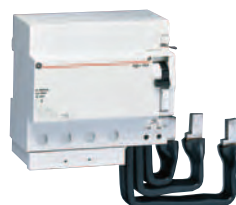
80-125	DOC 3125/030	671582	DOC 3125/300	671584	1
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4P
6 mod.

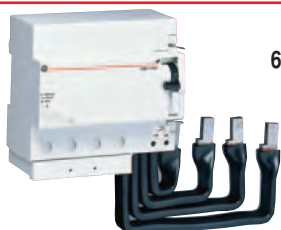
80-125	DOC 4125/030	671590	DOC 4125/300	671592	1
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Series Hti - Add-on RCD - Type A



3P
6 mod.

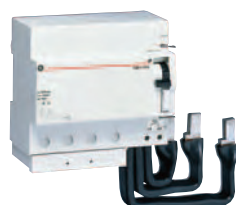
In (A)	30 mA		300 mA		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
80-125	DOCA 3125/030	671581	DOCA 3125/300	671583	1



4P
6 mod.

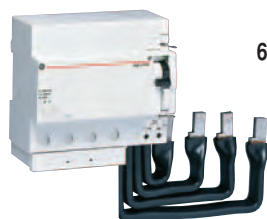
80-125	DOCA 4125/030	671589	DOCA 4125/300	671591	1
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Series Hti - Add-on RCD - Type S



3P
6 mod.

In (A)	30 mA		300 mA		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
80-125	-	-	DOCS 3125/300	671585	1



4P
6 mod.

80-125	-	-	DOCS 4125/300	671593	1
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Series Hti - Auxiliary contacts

Mod.	Functions	Description	Cat. No.	Ref. No.	Pack.
1/2	H	Auxiliary contact	Hti H	671597	1
1/2	S	Signal contact S + test + reset	Hti S	671598	1
1/2	H/S	Changeable auxiliary/signal contact	Hti H/S	671599	1
1/2	H+H/S	Auxiliary contact and changeable auxiliary/signal contact	Hti HH/HS	671600	1
1/2	H+S	Auxiliary contact and signal contact H + S + test + reset	Hti HSR	671602	1

Series Hti - Shunt trip

	Rated voltage	Closing current	Operating time	Coil impedance at 50Hz	Cat. No.	Ref. No.	Pack.
1 mod.	110 to 415V	0.3A at 110V	10 ms	ca. 29 Ohm	TELE L 110	624945	1/8
	110 to 125VDC	0.6A at 230V	4ms	ca. 29 Ohm			
		1A at 400V	2ms	ca. 29 Ohm			
1 mod.	24 to 48VDC	1A at 24VDC	10ms	ca. 24 Ohm	TELE L 24	624946	1/8
	24 to 60V	2A at 48VDC	4ms	ca. 24 Ohm			



Label printer

Description

Standard software from Dymo

Added software from GE Power Controls:

- to print the circuit indicator labels of Redline devices
- to print the circuit label in the enclosures

Content:

- Label printer
- Cable to connect with the computer
- Standard included: black ink tape 32 mm, 50 meter
white tape 32 mm, 10 meter.
- Extra 2 tapes white 12 mm, 10 meter.
- Power supply
- User instructions

Recommended label heights

Modular devices

Type of product	Max. height label mm
Redline	12

Enclosures

FIX-O-RAIL Standard	19
FIX-O-RAIL Design	24
FIX-O-RAIL Classic	32
FIX-O-RAIL 150	32
FIX-O-RAIL 150 F1	32
FIX-O-RAIL 150 F4	32
FIX-O-RAIL 55	32
FIX-O-RAIL Junior	32
FIX-O-RAIL Senior	32

Label printer



	Cat. No.	Ref. No.	Pack.
	V311000500	600226	1

Accessories



Carrier tape

Description	Cat. No.	Ref. No.	Pack.
Tape white height 12 mm, length 10 m	V311000504	600230	1
Tape white height 19 mm, length 10 m	V311000503	600229	1
Tape white height 24 mm, length 10 m	V311000502	600228	1
Tape white height 32 mm, length 10 m	V311000501	600227	1



Ink tape black

Tape black height 32 mm, length 50 m	V311000505	600231	1
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Accessories for MCB's - Series C, G, GT and EP

Cut off the number of poles needed

Cat. No.

Ref. No.

Pack.

EPP

669486

10



Allows padlocking in ON position and OFF position

KS

624929

2

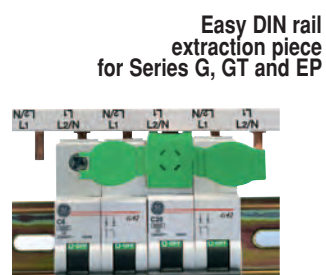


1/2 module

PLS-SP

666206

10

Easy DIN-rail extraction of
a MCB Series G, GT and EP
using busbars on the top

EDRE

600232

10

Easy DIN-rail extraction of
a MCB Series C
using busbars on the top

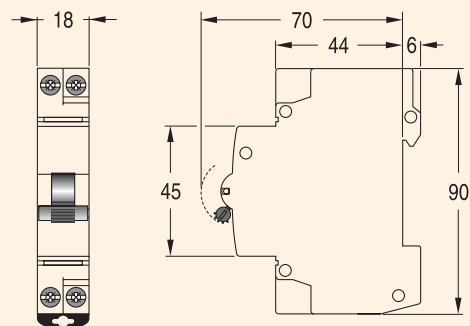
EDRE1

645879

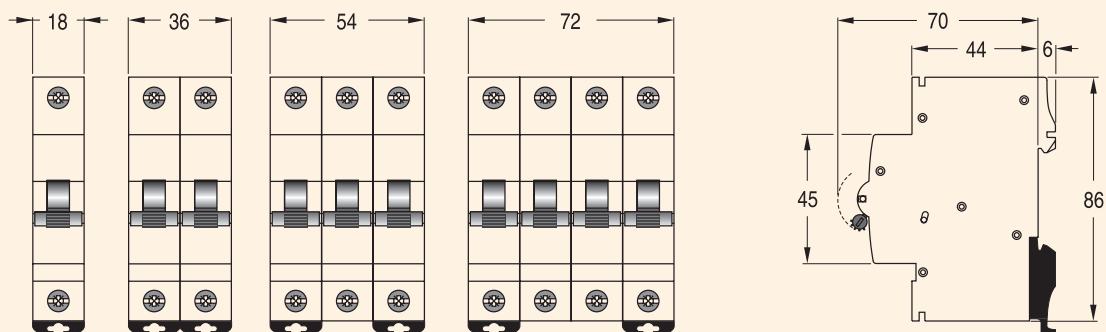
10

Dimensional drawings

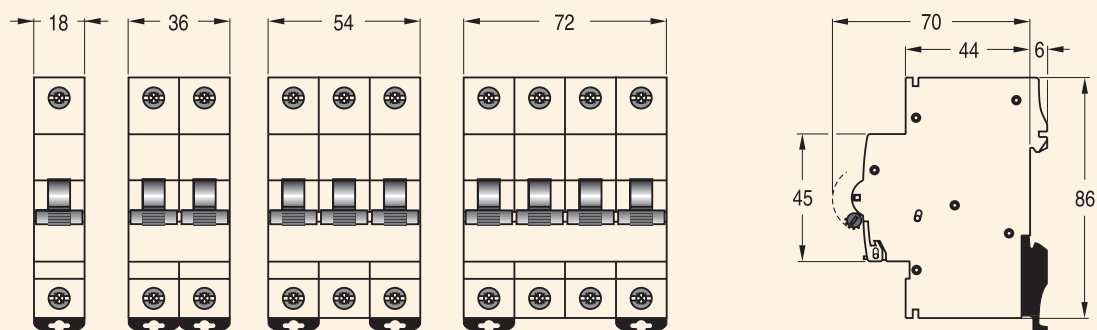
Miniature Circuit Breakers - Series C



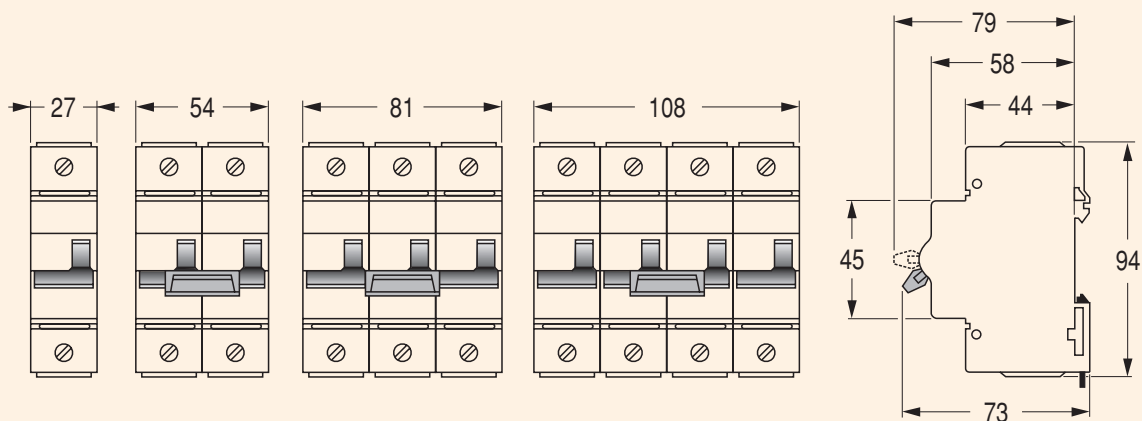
Miniature Circuit Breakers - Series G & GT



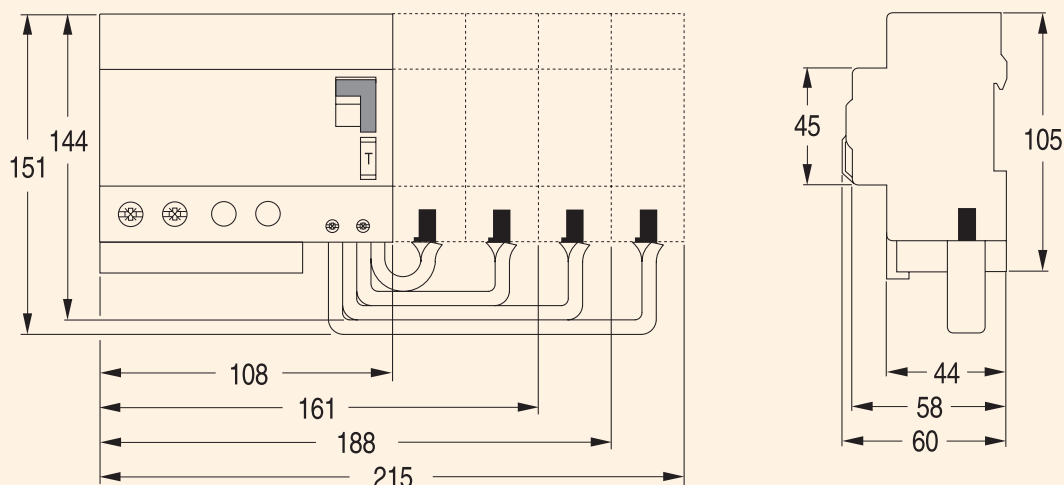
Miniature Circuit Breakers - Series EP100 UC



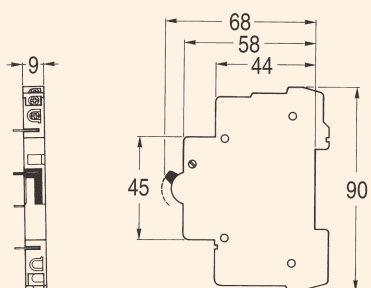
Miniature Circuit Breakers - Series Hti



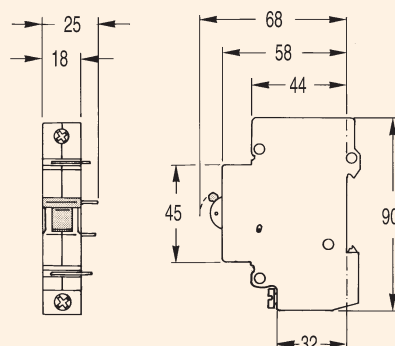
Add-on RCD's for Series Hti



Auxiliary contact - Series Hti



Shunt trip - Series Hti



GE Consumer & Industrial Power Protection

Power Protection (former GE Power Controls), a division of GE Consumer & Industrial, is a first class European supplier of low-voltage products including wiring devices, residential and industrial electrical distribution components, automation products, enclosures and switchboards. Demand for the company's products comes from wholesalers, installers, panel-board builders, contractors, OEMs and utilities worldwide

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GE imagination at work