



New

ElfaPlus *Unibis*TM

Compact MCB's

Saving up to 50% space in
distribution boards



GE imagination at work

- 2 Advantages
- 6 Miniature circuit breakers - **Series EPC 31N**
- 7 Miniature circuit breakers - **Series EPC 451N**
- 8 Miniature circuit breakers - **Series EPC 61N**
- 9 Miniature circuit breakers - **Series EPC 101N**
- 10 Miniature circuit breakers - **Series EPC 611**
- 12 Miniature circuit breakers - **Series EPC 30**
- 14 Miniature circuit breakers - **Series EPC 45**
- 16 Miniature circuit breakers - **Series EPC 60**
- 18 Miniature circuit breakers - **Series DCC 41N**
- 19 Miniature circuit breakers - **Series DCC 61N**
- 20 Unibis™ Interface auxiliary - **Series CA**
- 22 Busbar System - **VBS**
- 24 Technical data
- 31 Dimensions
- 32 Numerical index

Quick overview

Page no.	Series	Applications	Poles	Add-on devices	Tripping curve	Rating current (A)	Short-circuit capacity (kA)
6	EPC 31N		1+N(1mod)	yes	C	2 - 40	3
7	EPC 451N		1+N(1mod)	yes	B-C	2 - 40	6
8	EPC 61N		1+N(1mod)	yes	B-C	2 - 40	7.5
9	EPC 101N		1+N(1mod)	yes	B-C	2 - 40	10
10	EPC 611		1P+1P(1mod)	yes	B-C	2 - 40	6
12	EPC 30		2, 3, 4	yes	B-C	2 - 40	3
14	EPC 45		2, 3, 4	yes	B-C	2 - 40	6
16	EPC 60		2, 3, 4	yes	B-C	2 - 40	7.5
18	DCC 41N		1+N(1mod)	yes	C	6 - 40	4.5
19	DCC 61N		1+N(1mod)	yes	C	2 - 40	6

Domestic
 Commercial

B: 3-5 In
 C: 5-10 In
 (1) Icn1 = 6kA

EN/IEC 60898-1
 EN/IEC 60947-2



2 circuits in 1 mo

ElfaPlus *Unibis*TM: the solution

UnibisTM MCB's are one of the latest introductions in the ElfaPlus range and are developed to **reduce the size of the distribution board to the minimum**.

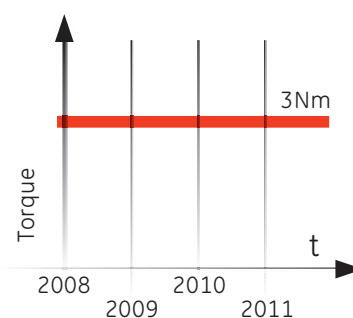
The performances are upgraded to **10kA**.



Safety terminals

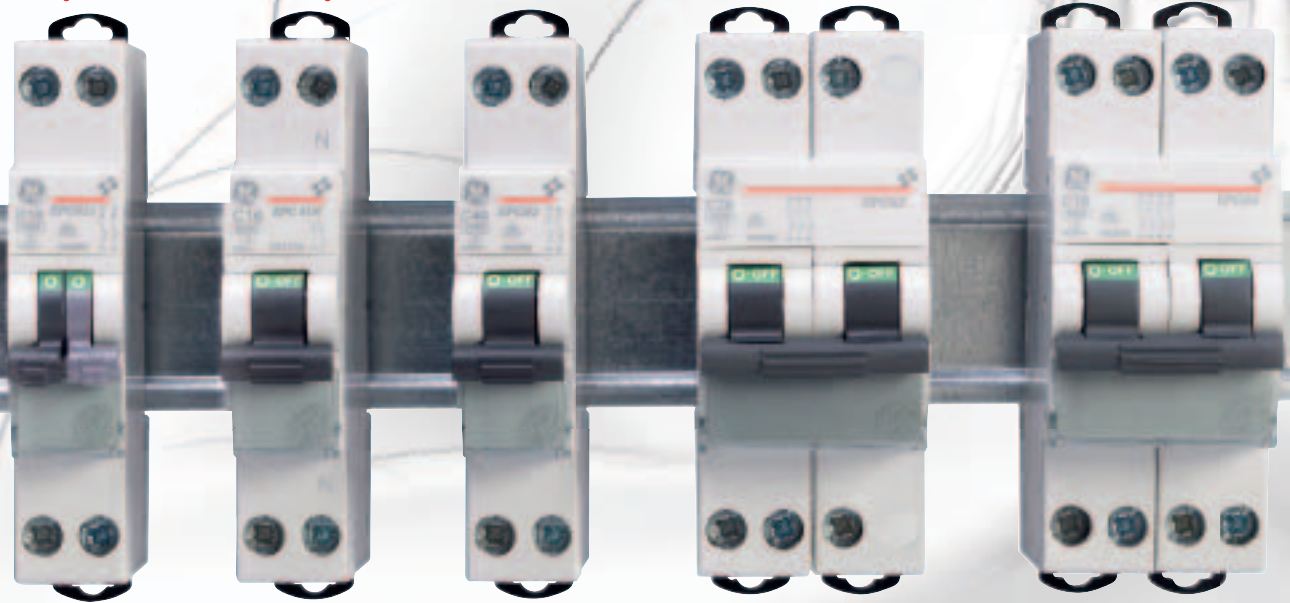
Up to 6mm² + 4mm² wires combined.

New



duple

for space problems



1P+1P
in
1 mod

1P+N
in
1 mod⁽¹⁾

2P
in
1 mod

3P
in
2 mod

4P
in
2 mod

- ✔ Brandnew design:
 - 2P in 1 module,
- ✔ 3 and 4P in 2 modules
- ✔ Complete range: from 3-4.5-6-**10kA**⁽²⁾,
2-40 Amps, B and C curves
- ✔ 100% compatible with all ElfaPlus
auxiliaries and accessories
- ✔ 100% quality and reliability
acc. to EN 60898
- ✔ KEMA, CEBEC, NF, VDE, IMQ certified

4 performances
up to 10kA



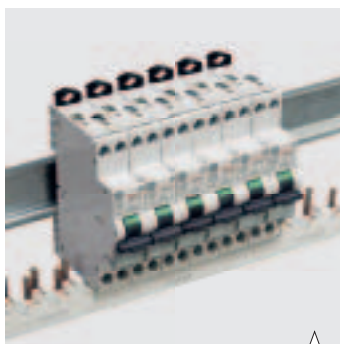
(1) Neutral left or right available
(2) 10kA for 1P+N versions

The solution for

ElfaPlus *Unibis*TM:

quality and reliability guaranteed

New



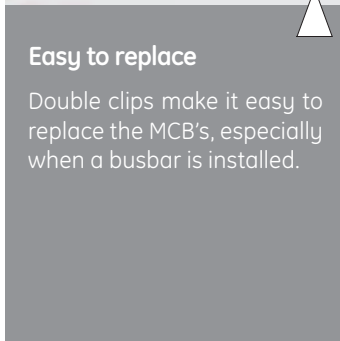
High performance clips

To fix the MCB to the DIN rail.



High performance torque

Up to 3Nm.



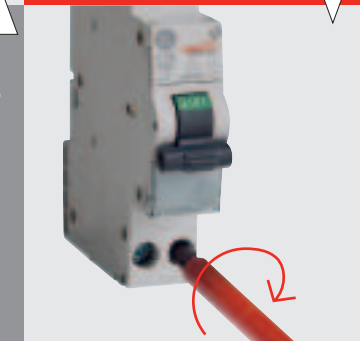
Easy to replace

Double clips make it easy to replace the MCB's, especially when a busbar is installed.



Userfriendly

All screws are on the same level to work fast and easy.



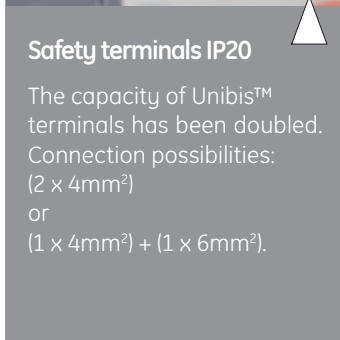
Green or red flag on toggle with isolation applications

Correct information about the real position. Minimum 5mm distance between open contacts is ensured.



Part of the family

UnibisTM MCB's fit perfectly in the ElfaPlus range.



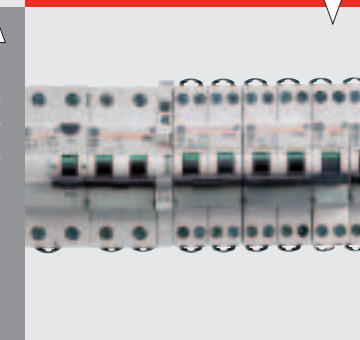
Safety terminals IP20

The capacity of UnibisTM terminals has been doubled. Connection possibilities: (2 x 4mm²) or (1 x 4mm²) + (1 x 6mm²).



Full functionality

A small auxiliary contact is the interface to the complete functionality of the ElfaPlus auxiliaries and accessories.

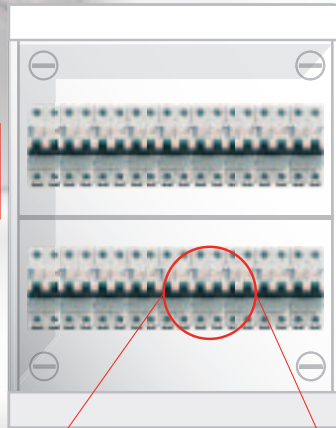


renovations

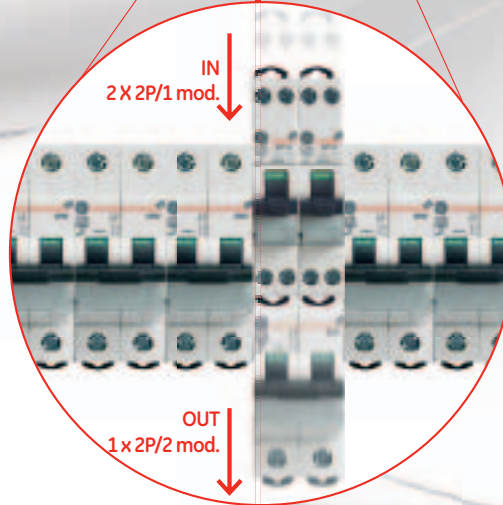
Saving up to 50% space
in distribution boards!

Before

18 x 2P MCB's
36 MODULES



Replacing standard
MCB's by compact
Unibis™ MCB's

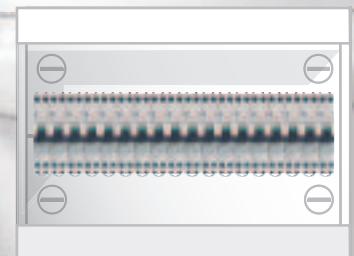


OR

FREE DIN-RAIL FOR
EXTENSIONS



DISTRIBUTION BOARD
REDUCED BY 50%



After

18 x 2P MCB's
18 MODULES



Compact MCB's

Series EPC 31N

EN/IEC 60898-1	3000
	3
EN/IEC 60947-2	3kA

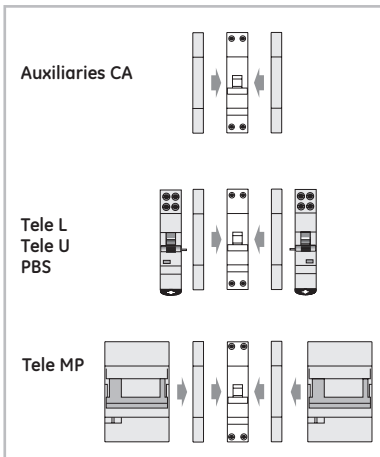
Applications



Approvals / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Performances

Thermal setting I_n	(A)	2-40
Rated voltage AC U_n	(V)	240
Minimum operating voltage U_{Bmin}	(V)	12
Tripping characteristic		C
Selectivity class		3
Mechanical/electrical endurance		20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2		55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²)	10-16 ⁽²⁾
Poles		1P+N (1 mod)
Weight	(g)	125

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
1P+N	240	3

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
1P+N	240	3

Attention: do not use on IT net configuration

Series EPC 31N - 3kA - characteristic C

Poles	In (A)	C		Pack.
		Cat. No.	Ref. No.	
1P + N 1 mod.	2	EPC 31N C02	692772	12
	4	EPC 31N C04	692773	12
1/2 N 2/1 N	6	EPC 31N C06	692774	12
	10	EPC 31N C10	692775	12
	16	EPC 31N C16	692776	12
	20	EPC 31N C20	692777	12
	25	EPC 31N C25	692778	12
	32	EPC 31N C32	692779	12
	40	EPC 31N C40	692780	12

(1) 8000 for 32 and 40A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

Compact MCB's

Series EPC 451N



EN/IEC 60898-1

4500

3

EN/IEC 60947-2

6kA

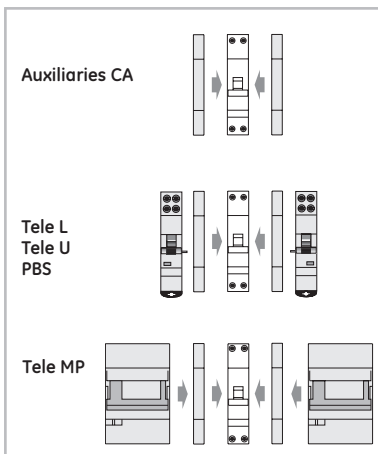
Applications



Approvals / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240
Minimum operating voltage U_{Bmin}	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2	55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²) 10-16 ⁽²⁾
Poles	1P+N (1 mod)
Weight	(g) 125

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
1P+N	240	4.5

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
1P+N	240	6

Attention: do not use on IT net configuration

Series EPC 451N - 4.5kA - characteristics B-C

In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2	EPC 451N B02	692810	EPC 451N C02	692781	12
4	EPC 451N B04	692811	EPC 451N C04	692782	12
6	EPC 451N B06	692812	EPC 451N C06	692783	12
10	EPC 451N B10	692813	EPC 451N C10	692784	12
16	EPC 451N B16	692814	EPC 451N C16	692786	12
20	EPC 451N B20	692815	EPC 451N C20	692787	12
25	EPC 451N B25	692816	EPC 451N C25	692788	12
32	EPC 451N B32	692817	EPC 451N C32	692789	12
40	EPC 451N B40	692818	EPC 451N C40	692790	12

(1) 8000 for 32 and 40A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)





Compact MCB's

Series EPC 61N

EN/IEC 60898-1	6000
	3
EN/IEC 60947-2	7.5kA

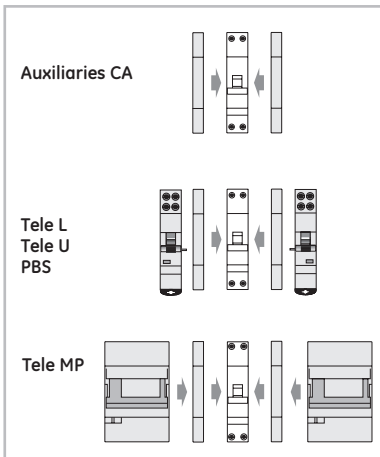
Applications



Approvals / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240
Minimum operating voltage U_{Bmin}	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2	55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²) 10-16 ⁽²⁾
Poles	1P+N (1 mod)
Weight	(g) 125

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
1P+N	240	6

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
1P+N	240	7.5

Attention: do not use on IT net configuration

Series EPC 61N - 6kA - characteristics B-C

In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2	EPC 61N B02	692819	EPC 61N C02	692791	12
4	EPC 61N B04	692820	EPC 61N C04	692792	12
6	EPC 61N B06	692821	EPC 61N C06	692793	12
10	EPC 61N B10	692822	EPC 61N C10	692794	12
13	EPC 61N B13	692604	EPC 61N C13	692795	12
16	EPC 61N B16	692823	EPC 61N C16	692796	12
20	EPC 61N B20	692824	EPC 61N C20	692797	12
25	EPC 61N B25	692825	EPC 61N C25	692798	12
32	EPC 61N B32	692826	EPC 61N C32	692799	12
40	EPC 61N B40	692827	EPC 61N C40	692800	12

(1) 8000 for 32 and 40A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

Compact MCB's

Series EPC 101N



EN/IEC 60898-1	10000
	3
EN/IEC 60947-2	10kA

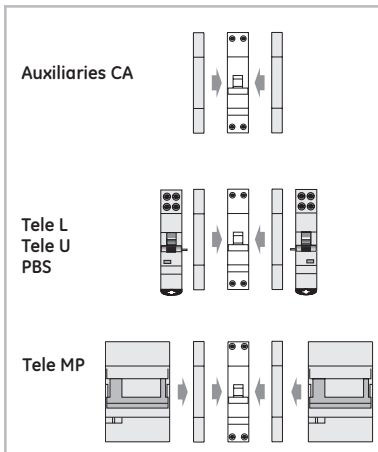
Applications



Approval / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240
Minimum operating voltage U_{Bmin}	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2	55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²) 10-16 ⁽²⁾
Poles	1+N (1 mod)
Weight	(g) 125

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA) ⁽³⁾
1P+N	240	10

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
1P+N	240	10

Attention: do not use on IT net configuration

Series EPC 101N - 10kA - characteristics B-C

In (A)	B		C		Pack.		
	Cat. No.	Ref. No.	Cat. No.	Ref. No.			
1P + N 1 mod.	2	EPC 101N B02	692828	EPC 101N C02	692801	12	
	4	EPC 101N B04	692829	EPC 101N C04	692802	12	
	6	EPC 101N B06	692830	EPC 101N C06	692803	12	
	10	EPC 101N B10	692831	EPC 101N C10	692804	12	
1/2 N	13	EPC 101N B13	692605	EPC 101N C13	692606	12	
	16	EPC 101N B16	692832	EPC 101N C16	692805	12	
	20	EPC 101N B20	692833	EPC 101N C20	692806	12	
	25	EPC 101N B25	692834	EPC 101N C25	692807	12	
	32	EPC 101N B32	692835	EPC 101N C32	692808	12	
	40	EPC 101N B40	692836	EPC 101N C40	692809	12	
	2/1 N						

(1) 8000 for 32 and 40A
(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)
(3) I_{cn1} = 6kA





Compact MCB's

Series EPC 611

EN/IEC 60898-1	6000
	3
EN/IEC 60947-2	6kA

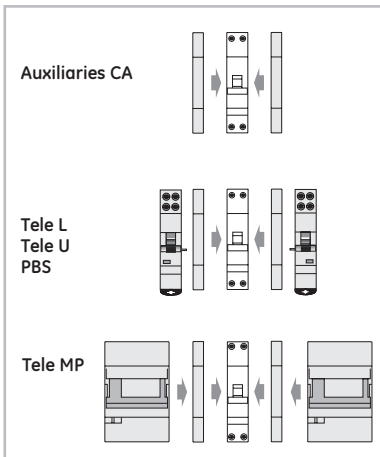
Applications



Approval / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240
Minimum operating voltage U_{Bmin}	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2	55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²) 10-16 ⁽²⁾
Poles	1P+1P (1 mod)
Weight	(g) 125

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
1 + 1	240	6

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
1 + 1	240	6

Attention: do not use on IT net configuration

Series EPC 611 - 6kA - characteristics B-C

In (A)	B		C		Pack.	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.		
1P+1P 1 mod.	2	EPC 611 B02	692689	EPC 611 C02	692699	12
	4	EPC 611 B04	692690	EPC 611 C04	692700	12
	6	EPC 611 B06	692691	EPC 611 C06	692701	12
	10	EPC 611 B10	692692	EPC 611 C10	692702	12
	13	EPC 611 B13	692693	EPC 611 C13	692703	12
	16	EPC 611 B16	692694	EPC 611 C16	692704	12
	20	EPC 611 B20	692695	EPC 611 C20	692705	12
	25	EPC 611 B25	692696	EPC 611 C25	692706	12
	32	EPC 611 B32	692697	EPC 611 C32	692707	12
	40	EPC 611 B40	692698	EPC 611 C40	692708	12

(1) 8000 for 32 and 40A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

Notes

A large grid of red dots for taking notes, consisting of 20 columns and 40 rows.





Compact MCB's

Series EPC 30

EN/IEC 60898-1	3000
	3
EN/IEC 60947-2	3kA

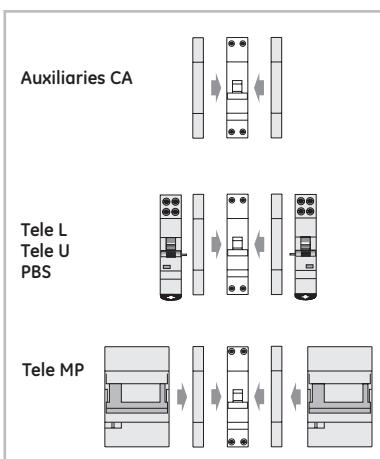
Applications



Approvals / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage U_{Bmin}	(V) 12
Tripping characteristic	C
Selectivity class	3
Mechanical/electrical endurance	20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2	55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²) 10-16 ⁽²⁾
Poles	2, 3, 4
Weight	(g/mod) 160

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
2P	415	3
3P	415	3
4P	415	3

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
2P	415	3
3P	415	3
4P	415	3

DC acc. EN/IEC 60947-2

Poles	U_n (V=)	I_{cu} (kA)
2P	96	3

(1) 8000 for 32/40A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Series EPC 30 - 3kA - characteristics C



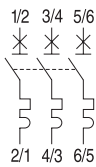
2P
1 mod.



In (A)	C		Pack.
	Cat. No.	Ref. No.	
2	EPC 32 C02	692500	12
4	EPC 32 C04	692501	12
6	EPC 32 C06	692502	12
10	EPC 32 C10	692503	12
16	EPC 32 C16	692504	12
20	EPC 32 C20	692505	12
25	EPC 32 C25	692506	12
32	EPC 32 C32	692507	12
40	EPC 32 C40	692508	12



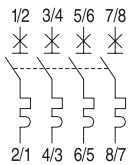
3P⁽¹⁾
2 mod.



2	EPC 33 C02	692509 ⁽¹⁾	6
4	EPC 33 C04	692510 ⁽¹⁾	6
6	EPC 33 C06	692511 ⁽¹⁾	6
10	EPC 33 C10	692512 ⁽¹⁾	6
16	EPC 33 C16	692513 ⁽¹⁾	6
20	EPC 33 C20	692514 ⁽¹⁾	6
25	EPC 33 C25	692515 ⁽¹⁾	6
32	EPC 33 C32	692516 ⁽¹⁾	6
40	EPC 33 C40	692517 ⁽¹⁾	6



4P
2 mod.



2	EPC 34 C02	692518	6
4	EPC 34 C04	692519	6
6	EPC 34 C06	692520	6
10	EPC 34 C10	692521	6
16	EPC 34 C16	692522	6
20	EPC 34 C20	692523	6
25	EPC 34 C25	692524	6
32	EPC 34 C32	692525	6
40	EPC 34 C40	692526	6

(1) The auxiliary contact CA must be placed only on the left side of the 3P MCB's



Compact MCB's

Series EPC 45

EN/IEC 60898-1	4500
	3
EN/IEC 60947-2	6kA

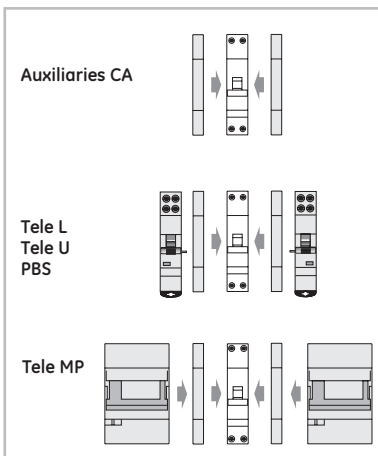
Applications



Approvals / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage U_{Bmin}	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2	55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²) 10-16 ⁽²⁾
Poles	2, 3, 4
Weight	(g/mod) 160

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
2P	415	4.5
3P	415	4.5
4P	415	4.5

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
2P	415	6
3P	415	6
4P	415	6


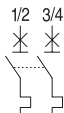

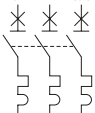

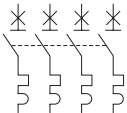
DC acc. EN/IEC 60947-2

Poles	U_n (V=)	I_{cu} (kA)
2P	96	4,5

(1) 8000 for 32/40A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

Series EPC 45 - 4.5kA - characteristics B-C

	In (A)	B		C		Pack.
		Cat. No.	Ref. No.	Cat. No.	Ref. No.	
 <p>2P 1 mod.</p> <p>1/2 3/4</p>  <p>2/1 4/3</p>	2	EPC 452 B02	692608	EPC 452 C02	692527	12
	4	EPC 452 B04	692609	EPC 452 C04	692528	12
	6	EPC 452 B06	692610	EPC 452 C06	692529	12
	10	EPC 452 B10	692611	EPC 452 C10	692530	12
	16	EPC 452 B16	692612	EPC 452 C16	692531	12
	20	EPC 452 B20	692613	EPC 452 C20	692532	12
	25	EPC 452 B25	692614	EPC 452 C25	692533	12
	32	EPC 452 B32	692615	EPC 452 C32	692534	12
	40	EPC 452 B40	692616	EPC 452 C40	692535	12
	 <p>3P⁽¹⁾ 2 mod.</p> <p>1/2 3/4 5/6</p>  <p>2/1 4/3 6/5</p>	2	EPC 453 B02	692617	EPC 453 C02	692536 ⁽¹⁾
4		EPC 453 B04	692618	EPC 453 C04	692537 ⁽¹⁾	6
6		EPC 453 B06	692619	EPC 453 C06	692538 ⁽¹⁾	6
10		EPC 453 B10	692620	EPC 453 C10	692539 ⁽¹⁾	6
16		EPC 453 B16	692621	EPC 453 C16	692540 ⁽¹⁾	6
20		EPC 453 B20	692622	EPC 453 C20	692541 ⁽¹⁾	6
25		EPC 453 B25	692623	EPC 453 C25	692542 ⁽¹⁾	6
32		EPC 453 B32	692624	EPC 453 C32	692543 ⁽¹⁾	6
40		EPC 453 B40	692625	EPC 453 C40	692544 ⁽¹⁾	6
 <p>4P 2 mod.</p> <p>1/2 3/4 5/6 7/8</p>  <p>2/1 4/3 6/5 8/7</p>		2	EPC 454 B02	692626	EPC 454 C02	692545
	4	EPC 454 B04	692627	EPC 454 C04	692546	6
	6	EPC 454 B06	692628	EPC 454 C06	692547	6
	10	EPC 454 B10	692629	EPC 454 C10	692548	6
	16	EPC 454 B16	692630	EPC 454 C16	692549	6
	20	EPC 454 B20	692631	EPC 454 C20	692550	6
	25	EPC 454 B25	692632	EPC 454 C25	692551	6
	32	EPC 454 B32	692633	EPC 454 C32	692552	6
	40	EPC 454 B40	692634	EPC 454 C40	692553	6

(1) The auxiliary contact CA must be placed only on the left side of the 3P MCB's



Compact MCB's

Series EPC 60

EN/IEC 60898-1	6000
	3
EN/IEC 60947-2	7.5kA

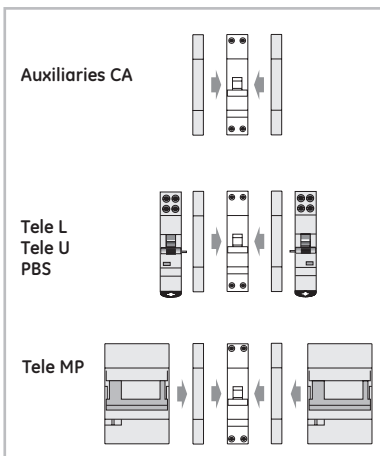
Applications



Approvals / Marking



Add-on devices



When coupling an add-on device (Tele L, Tele U, PBS, Tele MP) to the MCB, an universal CA auxiliary has to be coupled first as interface.

Performances

Thermal setting I_n	(A) 2-40
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage U_{Bmin}	(V) 12
Tripping characteristics	B-C
Selectivity class	3
Mechanical/electrical endurance	20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2	55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²) 10-16 ⁽²⁾
Poles	2, 3, 4
Weight	(g/mod) 160

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
2P	415	6
3P	415	6
4P	415	6

Acc. to EN/IEC 60947-2

Poles	V	I_{cu} (kA)
2P	415	7.5
3P	415	7.5
4P	415	7.5

DC ccc. to EN/IEC 60947-2

Poles	U_n (V=)	I_{cu} (kA)
2P	96	6


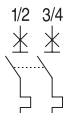

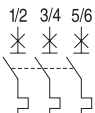

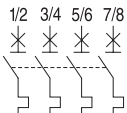
(1) 8000 for 32/40A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

Auxiliary contact CA ● page 20
Other auxiliaries ● General cat.

Busbars ● page 22
Dimensions ● page 29

Series EPC 60 - 6kA - characteristics B-C

	In (A)	B		C		Pack.	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.		
 <p>2P 1 mod.</p> <p>1/2 3/4</p>  <p>2/1 4/3</p>	2	EPC 62 B02	692635	EPC 62 C02	692554	12	
	4	EPC 62 B04	692636	EPC 62 C04	692555	12	
	6	EPC 62 B06	692637	EPC 62 C06	692556	12	
	10	EPC 62 B10	692638	EPC 62 C10	692557	12	
	16	EPC 62 B16	692639	EPC 62 C16	692558	12	
	20	EPC 62 B20	692640	EPC 62 C20	692559	12	
	25	EPC 62 B25	692641	EPC 62 C25	692560	12	
	32	EPC 62 B32	692642	EPC 62 C32	692561	12	
	40	EPC 62 B40	692643	EPC 62 C40	692562	12	
	 <p>3P⁽¹⁾ 2 mod.</p> <p>1/2 3/4 5/6</p>  <p>2/1 4/3 6/5</p>	2	EPC 63 B02	692644	EPC 63 C02	692563 ⁽¹⁾	6
		4	EPC 63 B04	692645	EPC 63 C04	692564 ⁽¹⁾	6
6		EPC 63 B06	692646	EPC 63 C06	692565 ⁽¹⁾	6	
10		EPC 63 B10	692647	EPC 63 C10	692566 ⁽¹⁾	6	
16		EPC 63 B16	692648	EPC 63 C16	692567 ⁽¹⁾	6	
20		EPC 63 B20	692649	EPC 63 C20	692568 ⁽¹⁾	6	
25		EPC 63 B25	692650	EPC 63 C25	692569 ⁽¹⁾	6	
32		EPC 63 B32	692651	EPC 63 C32	692570 ⁽¹⁾	6	
40		EPC 63 B40	692652	EPC 63 C40	692571 ⁽¹⁾	6	
 <p>4P 2 mod.</p> <p>1/2 3/4 5/6 7/8</p>  <p>2/1 4/3 6/5 8/7</p>		2	EPC 64 B02	692653	EPC 64 C02	692572	6
		4	EPC 64 B04	692654	EPC 64 C04	692573	6
	6	EPC 64 B06	692655	EPC 64 C06	692574	6	
	10	EPC 64 B10	692656	EPC 64 C10	692575	6	
	16	EPC 64 B16	692657	EPC 64 C16	692576	6	
	20	EPC 64 B20	692658	EPC 64 C20	692577	6	
	25	EPC 64 B25	692659	EPC 64 C25	692578	6	
	32	EPC 64 B32	692660	EPC 64 C32	692579	6	
	40	EPC 64 B40	692661	EPC 64 C40	692580	6	

(1) The auxiliary contact CA must be placed only on the left side of the 3P MCB's



Compact MCB's

Series DCC 41N

EN/IEC 60898-1

4500

3

Applications



Approval / Marking



Performances

Thermal setting I_n	(A)	2-40
Rated voltage AC U_n	(V)	230
Minimum operating voltage U_{Bmin}	(V)	12
Tripping characteristic		C
Selectivity class		3
Mechanical/electrical endurance		20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2		55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²)	10-16
Poles		1P+N (1 mod)
Weight	(g)	125

Short-circuit capacity

Acc. to EN/IEC 60898-1

Poles	V	I_{cn}/I_{cs} (kA)
1P+N	230	4.5

Series DCC 41N - 4.5kA - characteristic C

	In (A)	C		Pack.
		Cat. No.	Ref. No.	
1P + N 1 mod.	6	DCC 41 N C06	693054	12
	10	DCC 41 N C10	693055	12
	16	DCC 41 N C16	693056	12
1/2 N * *	20	DCC 41 N C20	693057	12
	25	DCC 41 N C25	693058	12
	32	DCC 41 N C32	693059	12
2/1 N	40	DCC 41 N C40	693060	12

(1) 8000 for 32 and 40A

Busbars ● page 22
Dimensions ● page 29



Compact MCB's

Series DCC 61N



EN/IEC 60898-1

6000

3

Applications



Approval / Marking



Performances

Thermal setting I_n	(A)	2-40
Rated voltage AC U_n	(V)	230
Minimum operating voltage U_{Bmin}	(V)	12
Tripping characteristic		C
Selectivity class		3
Mechanical/electrical endurance		20000/10000 ⁽¹⁾
Tropicalisation acc. to EN/IEC 60068-2		55°C at 95% RH
Terminal capacity flexible/rigid cable	(mm ²)	10-16
Poles		1P+N (1 mod)
Weight	(g)	125

Short-circuit capacity

Acc. to EN/IEC 60898-1

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

Series DCC 61N - 6kA - characteristic C

	I_n (A)	C		Pack.
		Cat. No.	Ref. No.	
1P + N 1 mod.	2	DCC 61 N C02	693061	12
	4	DCC 61 N C04	693062	12
	6	DCC 61 N C06	693063	12
1/2 N 2/1 N	10	DCC 61 N C10	693064	12
	16	DCC 61 N C16	693065	12
	20	DCC 61 N C20	693066	12
	25	DCC 61 N C25	693067	12
	32	DCC 61 N C32	693068	12
	40	DCC 61 N C40	693069	12

Busbars ● page 22
Dimensions ● page 29

(1) 8000 for 32 and 40A





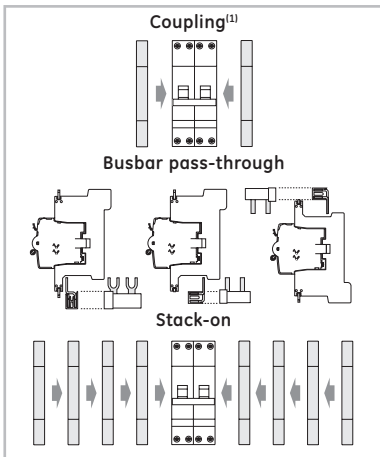
Applications



Approvals / Marking



Add-on devices



(1) 3P Unibis™ MCB'S accept CA only on the left side

Auxiliary

Series CA - Unibis™ Interface EN/IEC 62019

- Common for all modular protection devices: MCB's and RCBO's up to 63 A, RCCB's up to 100A and mains disconnect switches type ASTER (ASTM).
- Can be coupled on both sides of MCB's⁽¹⁾ and modular switches type ASTM.
- Version with golden contacts, available for low current as well as low voltage applications.
- Stack-on left or right up to 4 CA units.
- Permits the pass-through of busbars, pin & fork, top and bottom, just changing the position of the base of the auxiliaries.

Performances

Change-over contacts	1
Rated current In	(A) 5
Rated voltage AC Un	(V) 240
Electrical endurance	10000
Terminal capacity flexible/rigid cable	(mm ²) 2.5
Weight	(g) 70

Application

The auxiliary contact Unibis™ has a double function:

1. The standard function as auxiliary monitoring contact for which it has been developed.
2. The interface function, which allows the use of all auxiliaries in combination with the Unibis™ MCB range.

Example: to couple the undervoltage release Tele U to a Unibis™ MCB, the CA 672972 has to be added in between the MCB and the Tele U as interface.

The auxiliary contacts are units to be added on to protection devices. They allow information to be monitored from a distance about the protection devices.

Auxiliary contact CA H (function H)

Provides the status of the protection device, OPEN/CLOSED.

Signal or auxiliary contact CA S/H, CA S/H G (function S/H)

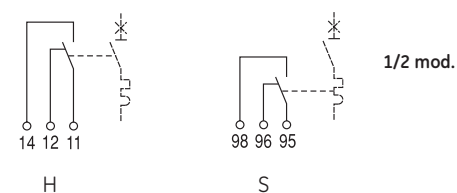
This auxiliary can act as an auxiliary contact (function H) or as a signal contact (function S).

The user can change the function at the moment of installation.

Used as signal contact (function S) it provides the information about the automatic tripping of the protection devices: overload or short-circuit for MCB's, earth leakage tripping for RCD's.

- The device has a test button on the front to simulate the function (acting as a function H or S)
- Reset button for the contacts (function S)
- Tripping signal on the front (function S)

Series CA - Unibis™ Interface

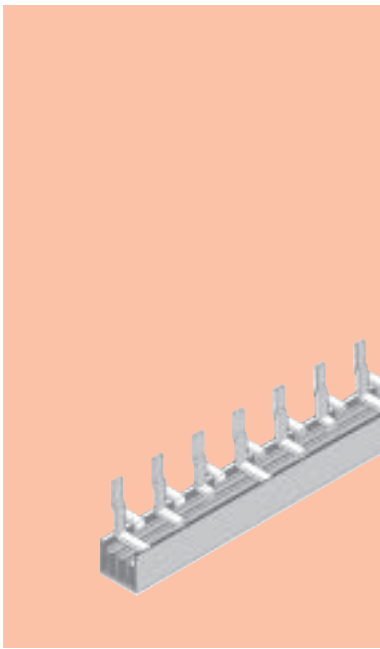


Function	Cat. No	Ref. No.	Pack.	
H	CA UN H	672972	1/40	
S/H	CA UN S/H	672973	1/40	
S/H	CA UN S/H G	672974	1/40	golden contacts

Notes

A large grid of red dots for taking notes, consisting of 20 columns and 40 rows.





VBS Busbar system

Rails

Particularity

The particular angled shaped pin busbar allows connection of a wire up to 10mm² (lth max: 63A), without any additional adapter.

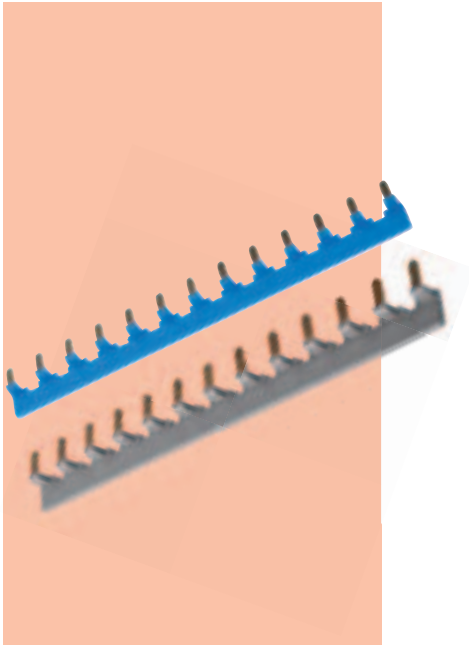
Technical data

Rail	Copper (oxygen free)
Insulation strip	Plastic Self extinguishing V-0 Heat resistant >96 °C
Dielectric strength	36kV/mm acc. to DIN 53481/1,2
Creepage resistance / tracking index	Acc. to IEC 60439
Insulation group	400V, Group C, acc. to BS/EN 60439-1

Insulated pin type busbar - angled shape

				Ref. No.	Pack.
	Supply: 2P or 1P+N Distribution: 2P MCB's	10 mm ²	18 x 2P	624796	1
		10 mm ²	55 x 2P - Length 1m	624893	1
	Supply: 3P Distribution: 2P MCB's	10 mm ²	12 x 2P	624797	1
		10 mm ²	55 x 2P - Length 1m	624798	1
	Supply: 3P Distribution: 3P MCB's	10 mm ²	55 x 3P - Length 1m	624799	1
	Supply: 3P+N Distribution: 2P MCB's	10 mm ²	55 x 2P - Length 1m	624892	1
	Supply: 3P+N Distribution: 4P MCB's	10 mm ²	55 x 4P - Length 1m	624800	1
	Connector clamp	24 mm ²	Lateral connection, with pin, non insulated	624795	1
	End caps	10 mm ²	2P	546181	1
		10 mm ²	3P	546184	1
		10 mm ²	4P	629867	1

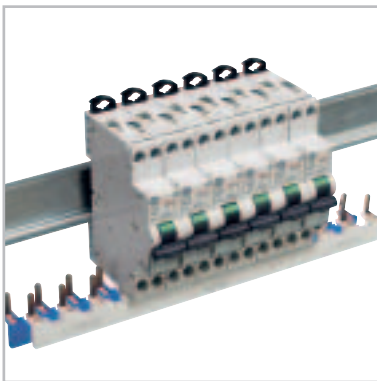
Busbar system



Rails

Particularity

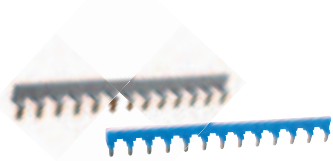
The double angled shape of the busbar is designed to avoid an additional terminal to realise a derivation with wiring till 10mm² and Ith = max. 63A.



Technical data

Rail	Copper (oxygen free)
Insulation strip	Plastic
	Self extinguishing V-0
	Heat resistant >96 °C
Dielectric strength	36kV/mm
	to DIN 53481/1.2
Creepage resistance / tracking index	to IEC 60439
Insulation group	415V, Group C
	to BS/EN 60439-1

Insulated pin type busbar - double angled shape



Supply: 1P
Distribution: 1P

10 mm ²	13x1 pole phase - grey - double angled
10 mm ²	13x1 pole neutral - blue - double angled

Ref. No.

Pack.

646091

1/20

646092

1/20

Technical data of MCB's

Series			EPC 31N	EPC 451N	EPC 61N
Standards			EN 60898-1	EN 60898-1	EN 60898-1
Tripping characteristics			B,C	B,C	B,C
Nominal current	(In)		2-40	2-40	2-40
Calibration temperature	(°C)		30	30	30
Number of poles (# mod)			1+N (1 mod)	1+N (1 mod)	1+N (1 mod)
Neutral pole protected			-	-	-
Nominal voltage Un AC	1P+N	(V)	240	240	240
	1P+1P	(V)	-	-	-
	2P	(V)	-	-	-
	3P	(V)	-	-	-
	4P	(V)	-	-	-
Nominal voltage Un DC	2P	(V=)	-	-	-
Frequency			50/60	50/60	50/60
	in DC		Thresh. magn. + 40%	Thresh. magn. + 40%	Thresh. magn. + 40%
	for 400 Hz		Thresh. magn. + 50%	Thresh. magn. + 50%	Thresh. magn. + 50%
Maximum service voltage Ub max	(V)		250	250	250
Minimum service voltage Ub min	(V)		12	12	12
Selectivity class (EN 60898-1)			3	3	3
Rated insulation voltage	Pollution degree 2	(V)	500	500	500
	Pollution degree 3	(V)	400	400	400
Impulse withstand test voltage	(kV)		6	6	6
Insulation resistance	(MΩ)		1000	1000	1000
Dielectric rigidity	(kV)		2.5	2.5	2.5
Vibration resistance (in x,y,z direction) (IEC 77/16.3)	(g)		3	3	3
Endurance	Electrical at Un,In		10000 ⁽¹⁾	10000 ⁽¹⁾	10000 ⁽¹⁾
	Mechanical		20000	20000	20000
Utilisation category (EN 60947-2)			A	A	A
Mounting position: vertical/horizontal			any	any	any
Incoming top or bottom			yes	yes	yes
Protection degree (outside/inside enclosure with door)			IP20/IP40	IP20/IP40	IP20/IP40
Selfextinguish degree (acc. UL 94)			V2	V2	V2
Tropicalisation (acc. EN 60068-2/DIN 40046)			+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)	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾
	Flexible cable min/max (top)	(mm ²)	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾
	Rigid cable min/max (bottom)	(mm ²)	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾
	Flexible cable min/max (bottom)	(mm ²)	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾
	Torque	(Nm)	3	3	3
Add-on devices	Auxiliary contacts		yes	yes	yes
	Tele U		yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾
	Tele L		yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾
	Tele MP		yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾
	PBS		yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾
Busbar systems	Pin (top/bottom)		yes/yes	yes/yes	yes/yes
	Fork (top/bottom)		no/no	no/no	no/no
Accessories			yes	yes	yes
Width per mod.	(mm)		18	18	18
Weight per mod.	(g)		125	125	125
Package			12	12	12
Approvals			VDE, KEMA	VDE, KEMA, IMQ	VDE, KEMA, IMQ
CE- marking			yes	yes	yes
Page			6	7	8

Short-circuit capacity of MCB's

Series			EPC 31N	EPC 451N	EPC 61N
Short-circuit capacity AC			(kA)	(kA)	(kA)
EN/IEC 60898-1	1P+N	240 V	3	4.5	6
	1P+1P	240 V	-	-	-
	2P	415 V	-	-	-
	3P	415 V	-	-	-
	4P	415 V	-	-	-
EN 60947-2 Ics (service)	1P+N	230 V	-	6	7.5
	1P+1P	230 V	-	-	-
	2P	415 V	-	-	-
	3P	415 V	-	-	-
	4P	415 V	-	-	-
Short-circuit capacity DC					
EN 60947-2 Icu	2P	96 V=			

(1) 8000 for 32 and 40 A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

(3) Requires CA auxiliary contact as interface

(4) Icn1= 6kA



EPC 101N	EPC 611	EPC 30	EPC 45	EPC 60	DCC 41N	DCC 61N
EN 60898-1	EN 60898-1	EN 60898-1	EN 60898-1	EN 60898-1	EN 60898-1	EN 60898-1
B,C	B,C	B,C	B,C	B,C	C	C
2-40	2-40	2-40	2-40	2-40	2-40	2-40
30	30	30	30	30	30	30
1+N (1 mod)	1P+1P (1 mod)	2 (1 mod), 3&4 (2 mod)	2 (1 mod), 3&4 (2 mod)	2 (1 mod), 3&4 (2 mod)	1+N (1 mod)	1+N (1 mod)
-	-	-	-	-	-	-
240	-	-	-	-	230	230
-	240	-	-	-	-	-
-	-	415	415	415	-	-
-	-	415	415	415	-	-
-	-	415	415	415	-	-
-	-	96	96	96	-	-
50/60	50/60	50/60	50/60	50/60	50/60	50/60
Thresh. magn. + 40%	Thresh. magn. + 40%	Thresh. magn. + 40%	Thresh. magn. + 40%	Thresh. magn. + 40%	Thresh. magn. + 40%	Thresh. magn. + 40%
Thresh. magn. + 50%	Thresh. magn. + 50%	Thresh. magn. + 50%	Thresh. magn. + 50%	Thresh. magn. + 50%	Thresh. magn. + 50%	Thresh. magn. + 50%
250	250/440	250/440	250/440	250/440	250	250
12	12	12	12	12	12	12
3	3	3	3	3	3	3
500	500	500	500	500	500	500
400	400	400	400	400	400	400
6	6	6	6	6	6	6
1000 ⁽¹⁾	1000	10000	10000	10000	1000	1000
2.5	2.5	2.5	2.5	2.5	2.5	2.5
3	3	3	3	3	3	3
10000 ⁽¹⁾	10000 ⁽¹⁾	10000 ⁽¹⁾	10000 ⁽¹⁾	10000 ⁽¹⁾	10000 ⁽¹⁾	10000 ⁽¹⁾
20000	20000	20000	20000	20000	20000	20000
A	A	A	A	A	A	A
any	any	any	any	any	any	any
yes	yes	yes	yes	yes	yes	yes
IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40	IP20/IP40
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
-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
1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16	1/16
1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10	1/10
1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16 ⁽²⁾	1/16	1/16
1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10 ⁽²⁾	1/10	1/10
3	3	3	3	3	3	3
yes	yes	yes	yes	yes	no	no
yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	no	no
yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	no	no
yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	no	no
yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	yes ⁽³⁾	no	no
yes/yes	yes/yes	yes/yes	yes/yes	yes/yes	yes/yes	yes/yes
no/no	no/no	no/no	no/no	no/no	no/no	no/no
yes	yes	yes	yes	yes	yes	yes
18	18	18/36	18/36	18/36	18	18
125	160	160/320	160/320	160/320	125	125
12	12/6	12/6	12/6	12/6	12	12
VDE, KEMA, IMQ	VDE	NF, CEBEC, KEMA	VDE, IMQ, NF, KEMA	VDE, IMQ, NF, CEBEC, KEMA	IMQ	KEMA
yes	yes	yes	yes	yes	yes	yes
9	10	12	14	16	18	19

EPC 101N	EPC 611	EPC 30	EPC 45	EPC 60	DCC 41N	DCC 61N
(kA)	(kA)	(kA)	(kA)	(kA)	(kA)	(kA)
10 ⁽⁴⁾	-	-	-	-	4.5	6
-	6	-	-	-	-	-
-	-	3	4.5	6	-	-
-	-	3	4.5	6	-	-
-	-	3	4.5	6	-	-
10	-	-	-	-	-	-
-	6	-	-	-	-	-
-	-	-	6	7.5	-	-
-	-	-	6	7.5	-	-
-	-	-	6	7.5	-	-
		3	4.5	6		

(1) 8000 for 32 and 40 A

(2) Also accepting (2x4mm²) or (1x4mm²)+(1x6mm²)

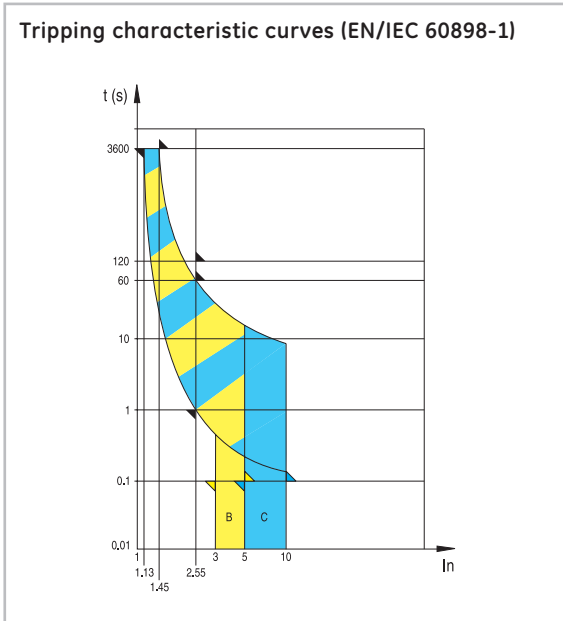
(3) Requires CA auxiliary contact as interface

(4) Icn1= 6kA



Characteristics according to IEC/EN 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.



Magnetic release

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

In (A)	Test current	Tripping time	Applications
B	3 x In	0.1 < t < 45s (In ≤ 32A) 0.1 < t < 90s (In > 32A)	Only for resistive loads such as: - electrical heating - water heater - stoves
	5 x In	t < 0.1s	
C	5 x In	0.1 < t < 15s (In ≤ 32A) 0.1 < t < 30s (In > 32A)	Usual loads such as: - lighting - socket-outlets - small motors
	10 x In	t < 0.1s	

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) 1s < t < 120s (In > 32A)

Influence of ambient air temperature on the rated current

The maximum value of the current which can flow through an MCB depends of the nominal current of the MCB, the conductor cross-section as well as of the ambient air temperature.

The values shown in the table below are for devices in free air. For devices installed with other modular devices in the same switchboard a correction factor (K) shall be applied relative to the mounting situation of the MCB, the ambient temperature and the number of main circuits in the installation (EN 60439-1):

No. of devices	K
2 or 3	0.9
4 or 5	0.8
6 to 9	0.7
> 10	0.6

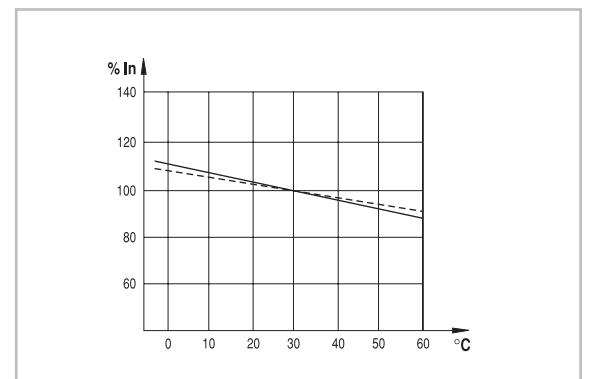
Calculation example

Within a distribution panel consisting of eight MCB's 2PC16 with an operating ambient temperature of 45°C, which is the highest temperature at which the MCB can operate without unwanted tripping.

Calculation

The correction factor K=0.7, for use in an eight circuit installation: 16A x 0.7= 11.2A
As the MCB is working at 45°C, another factor shall be applied (90% = 0.9):
In at 45°C = In at 30°C x 0.9 = 11.2A x 0.9 = 10.1A

The thermal calibration of the MCB's was carried out at an ambient temperature of 30°C. Ambient temperatures different from 30°C influence the bimetal and this results in earlier or later thermal tripping.



Tripping current as a function of the frequency

All MCB's are designed to work at frequencies of 50-60 Hz, therefore to work at different values, consideration must be given to the variation of the tripping characteristics. The thermal tripping does not change with variation of the frequency but the magnetic tripping values can be up to 50% higher than the ones at 50-60 Hz. For DC current magnetic tripping is 50% higher.

Tripping current variations

60Hz	100Hz	200Hz	300Hz	400Hz
1	1.1	1.2	1.4	1.5

Power losses

The power losses are calculated by measuring the voltage drop between the incoming and the outgoing terminals of the device at rated current.

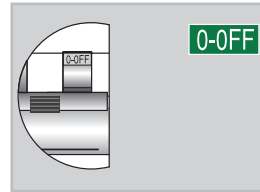
Power losses per pole

In (A)	Voltage drop (V)	Energy loss Pw (W)	Resistance Z (mOhm)
2	0.55	1.1	275.00
4	0.34	1.35	84.38
6	0.25	1.52	42.22
10	0.16	1.64	16.40
16	0.13	2.1	8.20
20	0.13	2.52	6.30
25	0.12	3.1	4.96
32	0.12	3.8	3.71
40	0.11	4.46	2.79

Toggle⁽¹⁾

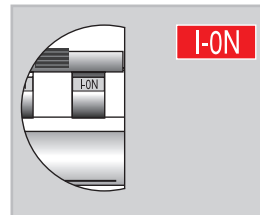
The toggle permits to switch the MCB ON or OFF

Printing on the toggle provides information of the real contact position.



0-OFF

Contacts in open position. Ensures a distance between contacts > 5mm in the Unibis™ range.



I-ON

Contacts in closed position. Ensures continuity in the main circuit.

(1) Not applicable for Series DCC

Back-up protection (association)

Downstream: MCB's ElfaPlus - Upstream: MCB's ElfaPlus

Circuit protection

ElfaPlus		Upstream MCB (kA)						U 230V
Downstream MCB		Upstream MCB (kA)						Hti
Types	In (A)	EP 60	EP 100	EP 250	EP 250	EP 250	Hti	
		0.5-63	0.5-63	< 32	32-40	50-63	80-125	
EPC 31N - EPC30	2-40	7.5	10	12.5	12.5	10	-	
EPC 451N - EPC45	2-40	10	10	15	15	10	-	
EPC 61N - EPC60	2-10	15	20	20	20	15	-	
	16-20	15	20	22	22	20	-	
	25-40	15	15	20	20	15	-	
EPC 101N	2-10	15	20	20	20	15	-	
	16-20	15	20	22	22	20	-	
	25-40	15	15	22	22	20	-	
DP60	4-10	15	15	15	15	15	-	
DP60	16-20	15	15	15	15	15	-	
DP60	25-40	15	15	15	15	15	-	
DP100	4-10	15	15	15	15	15	-	
DP100	16-20	15	20	20	20	20	-	
DP100	25-40	15	20	22	22	22	-	
EP30	6-40	15	20	22	22	22	16	
EP45	6-40	15	20	22	22	22	16	
EP60	0.5-63	-	20	22	22	22	-	
EP100	0.5-63	-	-	50	35	30	-	

Record Plus™ MCCB's at 220/240V AC

Upstream / Downstream		MCCB's Record Plus™																													
		Icu	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		
ElfaPlus		Icu of the combination (kA)																													
EPC 30	3	15	15	15	15	15	15	12	12	12	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	7.5	16	20	23	23	23	23	20	20	20	16	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DPI(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	-	-	-	-	-	-	-	-	-	-	
EP30	5	18	22	22	22	50	50	30	65	65	30	30	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EP45	10	22	25	30	36	85	85	36	85	85	36	36	65	65	16	16	16	14	14	14	-	-	-	-	-	-	-	-	-	-	
EP60	20	25	36	42	50	100	100	50	100	100	36	42	85	85	22	22	22	18	18	18	-	-	-	-	-	-	-	-	-	-	
EP100	30	-	42	50	65	100	100	65	100	100	42	50	85	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EP250	<=25A	50	-	-	-	65	100	100	65	100	100	-	65	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EP250, 32 & 40A	40	-	-	50	65	100	100	65	100	100	42	50	85	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EP250, 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	150	80	100
FD63/160H	100	-	-	-	-	-	200	-	-	200	-	-	-	200	-	-	200	-	-	200	-	-	100	150	-	100	150	-	100	150	
FE160N	85	-	-	-	-	-	-	-	-	100	200	-	-	100	200	-	100	200	-	100	200	80	100	150	80	100	150	80	100	150	
FE160H	100	-	-	-	-	-	-	-	-	200	-	-	200	-	-	200	-	200	-	200	-	100	150	-	100	150	-	100	150	-	
FE250N	85	-	-	-	-	-	-	-	-	-	-	-	100	200	-	100	200	-	100	200	80	100	150	80	100	150	80	100	150	80	
FE250H	100	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	200	-	-	200	-	100	150	-	100	150	-	100	150	-	
FG400N	85	-	-	-	-	-	-	-	-	-	-	-	-	-	100	200	-	100	200	-	100	200	80	100	150	80	100	150	80	100	
FG400H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	200	-	100	150	-	100	150	-	100	150	-	100	
FG630N	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	200	80	100	150	80	100	150	80	100	150	80	
FG630H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	100	150	-	100	150	-	100	150	-	
FK800N	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	150	80	100	150	80	100	150	80	
FK800H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	170	-	100	170	-	100	170	-	
FK1250N	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	170	80	100	170	80	100	170	80	
FK1250H	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	170	-	100	170	-	100	170	-	



Record Plus™ MCCB's at 400/415V AC

Upstream / Downstream		MCCB's Record Plus™																											
		Icu In (kA)	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
		Icu of the combination (kA)																											
ElfaPlus																													
	EPC30	3	15	18	22	25	30	36	25	30	36	18	22	25	30	12	12	12	10	10	10	-	-	-	-	-	-	-	-
	EPC 452, 453 & 454	6	15	18	22	25	30	36	25	30	36	18	22	25	30	12	12	12	10	10	10	-	-	-	-	-	-	-	-
	EP60	10	18	22	25	30	36	42	30	36	42	22	30	36	36	16	16	16	12	12	12	-	-	-	-	-	-	-	-
	EP100	15	18	25	30	36	42	50	36	42	50	25	30	36	36	22	22	22	16	16	16	-	-	-	-	-	-	-	-
	EP250 ≤25A	25	-	-	36	42	50	65	42	50	65	-	36	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EP250, 32 & 40A	20	-	-	30	36	42	50	36	42	50	-	36	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EP250, 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	-	-	100
	FE160N	50	-	-	-	-	-	-	-	80	150	-	-	80	150	-	80	150	-	80	150	-	80	100	-	80	100	-	80
	FE160H	80	-	-	-	-	-	-	-	-	150	-	-	-	150	-	-	150	-	-	150	-	100	-	-	100	-	-	100
	FE250N	50	-	-	-	-	-	-	-	-	-	-	-	80	150	-	80	150	-	80	150	-	80	100	-	80	100	-	80
	FE250H	80	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	150	-	-	150	-	100	-	-	100	-	-	100
	FG400N	50	-	-	-	-	-	-	-	-	-	-	-	-	-	80	150	-	80	150	-	80	100	-	80	100	-	80	100
	FG400H	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	150	-	100	-	-	100	-	-	100	-
	FG630N	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	150	-	80	100	-	80	100	-	80
	FG630H	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	100	-	-	100	-	-	100
	FK800N	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	-	80	100	-	80	100
	FK800H	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	100	-	-	100
	FK1250N	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	100	-	80	100	-	80
	FK1250H	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	100	-	-	100



Selectivity

Record Plus™ MCCB's

Circuit protection

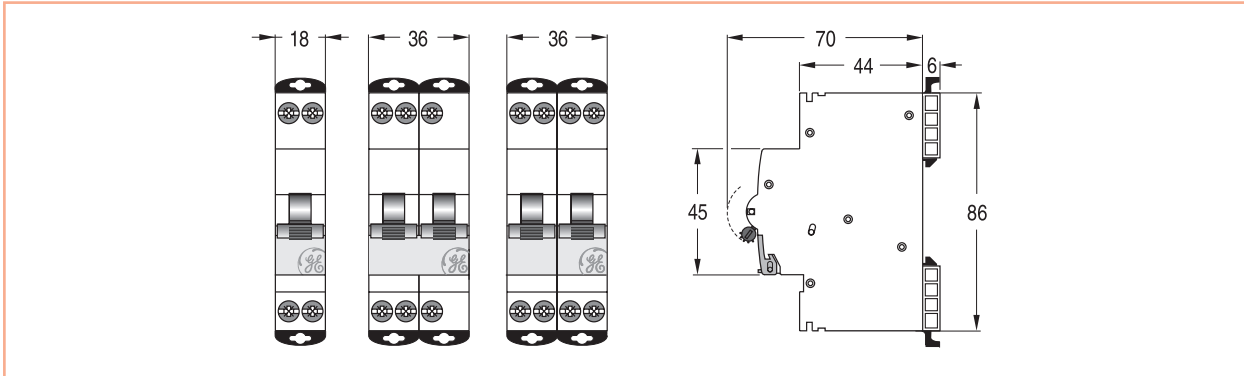
Upstream Downstream	In (A)	MCCB's Record Plus™																	
		FDC & FDE 63/160 LTM						FDS 63/160 LTMD						FDN, H & L 63/160 LTMD					
		40	50	63	80	100	125	40	50	63	80	100	125	40	50	63	80	100	125
Selectivity limit (kA) ⁽¹⁾																			
ElfaPlus EPC30 EP30 B/C curve	≤16	0.6	2.5	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	20	0.6	2.5	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	25	-	0.8	1.2	T	T	T	1.6	T	T	T	T	T	1.6	T	T	T	T	T
	32	-	-	1.2	T	T	T	-	-	T	T	T	T	-	-	T	T	T	T
	40	-	-	-	T	4	T	-	-	T	T	T	T	-	-	T	T	T	T
ElfaPlus 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
ElfaPlus 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
ElfaPlus DPA160 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
ElfaPlus EP60 EPC 101N DPA100 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	10	T	T	T	1.6	3.5	10	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
ElfaPlus EP100 EP250 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
Hti C curve	80	-	-	-	-	-	1.9	-	-	-	-	-	-	2.5	-	-	-	-	2.5
	100	-	-	-	-	-	1.9	-	-	-	-	-	-	2.5	-	-	-	-	2.5
	≤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
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
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
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 MCCB'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 MCCB = 3kA, for D curve 40A, take the value mentioned for 50A C curve, here 1.2kA.



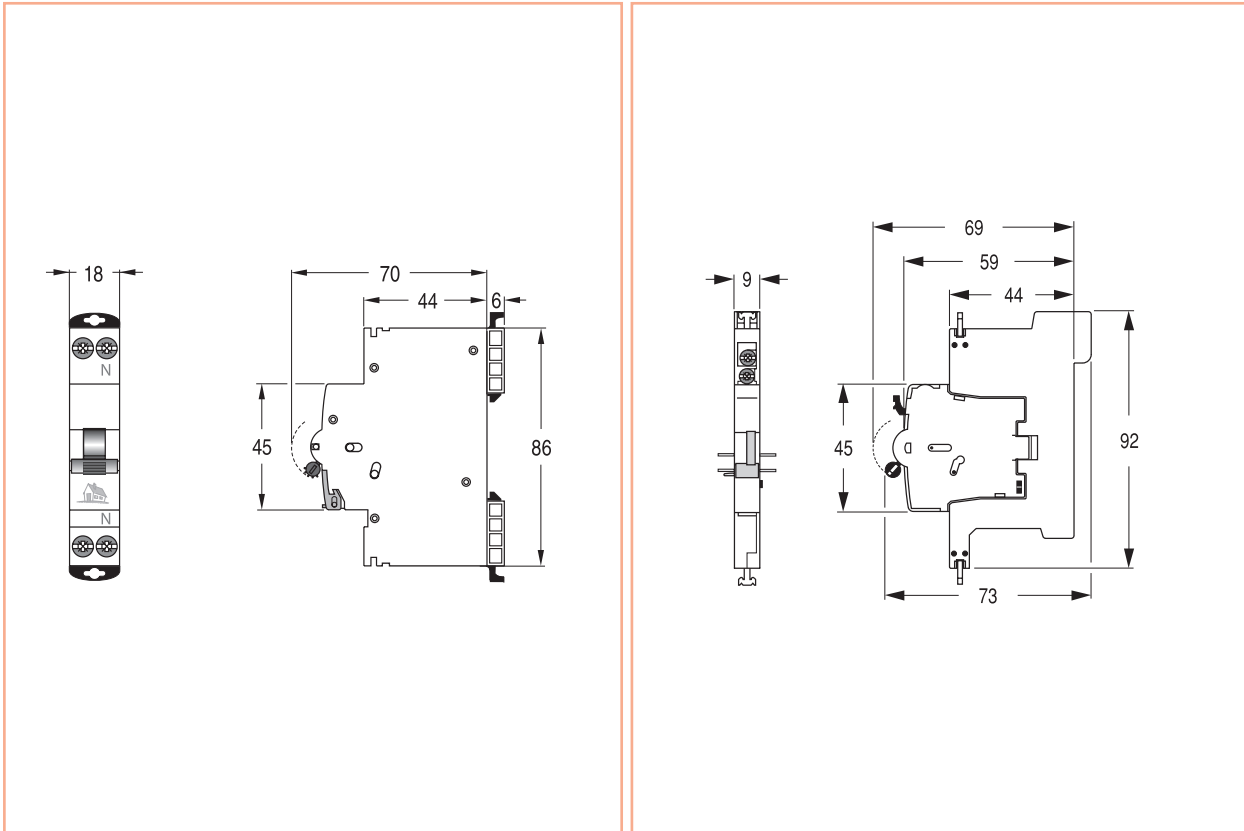
Dimensional drawings

Miniature Circuit Breakers - Series EPC



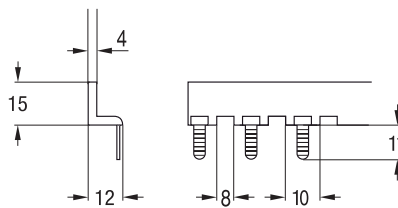
Miniature Circuit Breakers - Series DCC

Auxiliary interface - Series CA



Insulated pin busbars

Double angled
10 mm²
grey and blue



By catalogue number

Numerical index

Cat. No.	Ref. No.	Page	Cat. No.	Ref. No.	Page	Cat. No.	Ref. No.	Page
C...			EPC 451N B40	692818	7	EPC 61N B02	692819	8
CA UN H	672972	20	EPC 451N C02	692781	7	EPC 61N B04	692820	8
CA UN S/H	672973	20	EPC 451N C04	692782	7	EPC 61N B06	692821	8
CA UN S/H G	672974	20	EPC 451N C06	692783	7	EPC 61N B10	692822	8
D...			EPC 451N C10	692784	7	EPC 61N B16	692823	8
DCC 41 N C06	693054	18	EPC 451N C16	692786	7	EPC 61N B20	692824	8
DCC 41 N C10	693055	18	EPC 451N C20	692787	7	EPC 61N B25	692825	8
DCC 41 N C16	693056	18	EPC 451N C25	692788	7	EPC 61N B32	692826	8
DCC 41 N C20	693057	18	EPC 451N C32	692789	7	EPC 61N B40	692827	8
DCC 41 N C25	693058	18	EPC 451N C40	692790	7	EPC 61N C02	692791	8
DCC 41 N C32	693059	18	EPC 452 B02	692608	15	EPC 61N C04	692792	8
DCC 41 N C40	693060	18	EPC 452 B04	692609	15	EPC 61N C06	692793	8
DCC 61 N C02	693061	19	EPC 452 B06	692610	15	EPC 61N C10	692794	8
DCC 61 N C04	693062	19	EPC 452 B10	692611	15	EPC 61N C16	692796	8
DCC 61 N C06	693063	19	EPC 452 B16	692612	15	EPC 61N C20	692797	8
DCC 61 N C10	693064	19	EPC 452 B20	692613	15	EPC 61N C25	692798	8
DCC 61 N C16	693065	19	EPC 452 B25	692614	15	EPC 61N C32	692799	8
DCC 61 N C20	693066	19	EPC 452 B32	692615	15	EPC 61N C40	692800	8
DCC 61 N C25	693067	19	EPC 452 B40	692616	15	EPC 62 B02	692635	17
DCC 61 N C32	693068	19	EPC 452 C02	692527	15	EPC 62 B04	692636	17
DCC 61 N C40	693069	19	EPC 452 C04	692528	15	EPC 62 B06	692637	17
E...			EPC 452 C06	692529	15	EPC 62 B10	692638	17
EPC 101N B02	692828	9	EPC 452 C10	692530	15	EPC 62 B16	692639	17
EPC 101N B04	692829	9	EPC 452 C16	692531	15	EPC 62 B20	692640	17
EPC 101N B06	692830	9	EPC 452 C20	692532	15	EPC 62 B25	692641	17
EPC 101N B10	692831	9	EPC 452 C25	692533	15	EPC 62 B32	692642	17
EPC 101N B16	692832	9	EPC 452 C32	692534	15	EPC 62 B40	692643	17
EPC 101N B20	692833	9	EPC 452 C40	692535	15	EPC 62 C02	692554	17
EPC 101N B25	692834	9	EPC 453 B02	692617	15	EPC 62 C04	692555	17
EPC 101N B32	692835	9	EPC 453 B04	692618	15	EPC 62 C06	692556	17
EPC 101N B40	692836	9	EPC 453 B06	692619	15	EPC 62 C10	692557	17
EPC 101N C02	692801	9	EPC 453 B10	692620	15	EPC 62 C16	692558	17
EPC 101N C04	692802	9	EPC 453 B16	692621	15	EPC 62 C20	692559	17
EPC 101N C06	692803	9	EPC 453 B20	692622	15	EPC 62 C25	692560	17
EPC 101N C10	692804	9	EPC 453 B25	692623	15	EPC 62 C32	692561	17
EPC 101N C16	692805	9	EPC 453 B32	692624	15	EPC 62 C40	692562	17
EPC 101N C20	692806	9	EPC 453 B40	692625	15	EPC 63 B02	692644	17
EPC 101N C25	692807	9	EPC 453 C02	692536	15	EPC 63 B04	692645	17
EPC 101N C32	692808	9	EPC 453 C04	692537	15	EPC 63 B06	692646	17
EPC 101N C40	692809	9	EPC 453 C06	692538	15	EPC 63 B10	692647	17
EPC 31N C02	692772	6	EPC 453 C10	692539	15	EPC 63 B16	692648	17
EPC 31N C04	692773	6	EPC 453 C16	692540	15	EPC 63 B20	692649	17
EPC 31N C06	692774	6	EPC 453 C20	692541	15	EPC 63 B25	692650	17
EPC 31N C10	692775	6	EPC 453 C25	692542	15	EPC 63 B32	692651	17
EPC 31N C16	692776	6	EPC 453 C32	692543	15	EPC 63 B40	692652	17
EPC 31N C20	692777	6	EPC 453 C40	692544	15	EPC 63 C02	692563	17
EPC 31N C25	692778	6	EPC 454 B02	692626	15	EPC 63 C04	692564	17
EPC 31N C32	692779	6	EPC 454 B04	692627	15	EPC 63 C06	692565	17
EPC 31N C40	692780	6	EPC 454 B06	692628	15	EPC 63 C10	692566	17
EPC 32 C02	692500	13	EPC 454 B10	692629	15	EPC 63 C16	692567	17
EPC 32 C04	692501	13	EPC 454 B16	692630	15	EPC 63 C20	692568	17
EPC 32 C06	692502	13	EPC 454 B20	692631	15	EPC 63 C25	692569	17
EPC 32 C10	692503	13	EPC 454 B25	692632	15	EPC 63 C32	692570	17
EPC 32 C16	692504	13	EPC 454 B32	692633	15	EPC 63 C40	692571	17
EPC 32 C20	692505	13	EPC 454 B40	692634	15	EPC 64 B02	692653	17
EPC 32 C25	692506	13	EPC 454 C02	692545	15	EPC 64 B04	692654	17
EPC 32 C32	692507	13	EPC 454 C04	692546	15	EPC 64 B06	692655	17
EPC 32 C40	692508	13	EPC 454 C06	692547	15	EPC 64 B10	692656	17
EPC 33 C02	692509	13	EPC 454 C10	692548	15	EPC 64 B16	692657	17
EPC 33 C04	692510	13	EPC 454 C16	692549	15	EPC 64 B20	692658	17
EPC 33 C06	692511	13	EPC 454 C20	692550	15	EPC 64 B25	692659	17
EPC 33 C10	692512	13	EPC 454 C25	692551	15	EPC 64 B32	692660	17
EPC 33 C16	692513	13	EPC 454 C32	692552	15	EPC 64 B40	692661	17
EPC 33 C20	692514	13	EPC 454 C40	692553	15	EPC 64 C02	692572	17
EPC 33 C25	692515	13	EPC 611 B02	692689	10	EPC 64 C04	692573	17
EPC 33 C32	692516	13	EPC 611 B04	692690	10	EPC 64 C06	692574	17
EPC 33 C40	692517	13	EPC 611 B06	692691	10	EPC 64 C10	692575	17
EPC 34 C02	692518	13	EPC 611 B10	692692	10	EPC 64 C16	692576	17
EPC 34 C04	692519	13	EPC 611 B13	692693	10	EPC 64 C20	692577	17
EPC 34 C06	692520	13	EPC 611 B16	692694	10	EPC 64 C25	692578	17
EPC 34 C10	692521	13	EPC 611 B20	692695	10	EPC 64 C32	692579	17
EPC 34 C16	692522	13	EPC 611 B25	692696	10	EPC 64 C40	692580	17
EPC 34 C20	692523	13	EPC 611 B32	692697	10			
EPC 34 C25	692524	13	EPC 611 B40	692698	10			
EPC 34 C32	692525	13	EPC 611 C02	692699	10			
EPC 34 C40	692526	13	EPC 611 C04	692700	10			
EPC 451N B02	692810	7	EPC 611 C06	692701	10			
EPC 451N B04	692811	7	EPC 611 C10	692702	10			
EPC 451N B06	692812	7	EPC 611 C13	692703	10			
EPC 451N B10	692813	7	EPC 611 C16	692704	10			
EPC 451N B16	692814	7	EPC 611 C20	692705	10			
EPC 451N B20	692815	7	EPC 611 C25	692706	10			
EPC 451N B25	692816	7	EPC 611 C32	692707	10			
EPC 451N B32	692817	7	EPC 611 C40	692708	10			



By reference number

Ref. No.	Cat. No.	Page	Ref. No.	Cat. No.	Page	Ref. No.	Cat. No.	Page	Ref. No.	Cat. No.	Page
54...			692563	EPC 63 C02	17	692701	EPC 611 C06	10	693067	DCC 61 N C25	19
546181	-	22	692564	EPC 63 C04	17	692702	EPC 611 C10	10	693068	DCC 61 N C32	19
546184	-	22	692565	EPC 63 C06	17	692703	EPC 611 C13	10	693069	DCC 61 N C40	19
62...			692566	EPC 63 C10	17	692704	EPC 611 C16	10			
624795	-	22	692567	EPC 63 C16	17	692705	EPC 611 C20	10			
624796	-	22	692568	EPC 63 C20	17	692706	EPC 611 C25	10			
624797	-	22	692569	EPC 63 C25	17	692707	EPC 611 C32	10			
624798	-	22	692570	EPC 63 C32	17	692708	EPC 611 C40	10			
624799	-	22	692571	EPC 63 C40	17	692772	EPC 31N C02	6			
624800	-	22	692572	EPC 64 C02	17	692773	EPC 31N C04	6			
624892	-	22	692573	EPC 64 C04	17	692774	EPC 31N C06	6			
624893	-	22	692574	EPC 64 C06	17	692775	EPC 31N C10	6			
629867	-	22	692575	EPC 64 C10	17	692776	EPC 31N C16	6			
64...			692576	EPC 64 C16	17	692777	EPC 31N C20	6			
646091	VBS UNIBIS	21	692577	EPC 64 C20	17	692778	EPC 31N C25	6			
646092	-	21	692578	EPC 64 C25	17	692779	EPC 31N C32	6			
67...			692579	EPC 64 C32	17	692780	EPC 31N C40	6			
672972	CA UN H	20	692580	EPC 64 C40	17	692781	EPC 451N C02	7			
672973	CA UN S/H	20	692608	EPC 452 B02	15	692782	EPC 451N C04	7			
672974	CA UN S/H G	20	692609	EPC 452 B04	15	692783	EPC 451N C06	7			
69...			692610	EPC 452 B06	15	692784	EPC 451N C10	7			
692500	EPC 32 C02	13	692611	EPC 452 B10	15	692786	EPC 451N C16	7			
692501	EPC 32 C04	13	692612	EPC 452 B16	15	692787	EPC 451N C20	7			
692502	EPC 32 C06	13	692613	EPC 452 B20	15	692788	EPC 451N C25	7			
692503	EPC 32 C10	13	692614	EPC 452 B25	15	692789	EPC 451N C32	7			
692504	EPC 32 C16	13	692615	EPC 452 B32	15	692790	EPC 451N C40	7			
692505	EPC 32 C20	13	692616	EPC 452 B40	15	692791	EPC 61N C02	8			
692506	EPC 32 C25	13	692617	EPC 453 B02	15	692792	EPC 61N C04	8			
692507	EPC 32 C32	13	692618	EPC 453 B04	15	692793	EPC 61N C06	8			
692508	EPC 32 C40	13	692619	EPC 453 B06	15	692794	EPC 61N C10	8			
692509	EPC 33 C02	13	692620	EPC 453 B10	15	692796	EPC 61N C16	8			
692510	EPC 33 C04	13	692621	EPC 453 B16	15	692797	EPC 61N C20	8			
692511	EPC 33 C06	13	692622	EPC 453 B20	15	692798	EPC 61N C25	8			
692512	EPC 33 C10	13	692623	EPC 453 B25	15	692799	EPC 61N C32	8			
692513	EPC 33 C16	13	692624	EPC 453 B32	15	692800	EPC 61N C40	8			
692514	EPC 33 C20	13	692625	EPC 453 B40	15	692801	EPC 101N C02	9			
692515	EPC 33 C25	13	692626	EPC 454 B02	15	692802	EPC 101N C04	9			
692516	EPC 33 C32	13	692627	EPC 454 B04	15	692803	EPC 101N C06	9			
692517	EPC 33 C40	13	692628	EPC 454 B06	15	692804	EPC 101N C10	9			
692518	EPC 34 C02	13	692629	EPC 454 B10	15	692805	EPC 101N C16	9			
692519	EPC 34 C04	13	692630	EPC 454 B16	15	692806	EPC 101N C20	9			
692520	EPC 34 C06	13	692631	EPC 454 B20	15	692807	EPC 101N C25	9			
692521	EPC 34 C10	13	692632	EPC 454 B25	15	692808	EPC 101N C32	9			
692522	EPC 34 C16	13	692633	EPC 454 B32	15	692809	EPC 101N C40	9			
692523	EPC 34 C20	13	692634	EPC 454 B40	15	692810	EPC 451N B02	7			
692524	EPC 34 C25	13	692635	EPC 62 B02	17	692811	EPC 451N B04	7			
692525	EPC 34 C32	13	692636	EPC 62 B04	17	692812	EPC 451N B06	7			
692526	EPC 34 C40	13	692637	EPC 62 B06	17	692813	EPC 451N B10	7			
692527	EPC 452 C02	15	692638	EPC 62 B10	17	692814	EPC 451N B16	7			
692528	EPC 452 C04	15	692639	EPC 62 B16	17	692815	EPC 451N B20	7			
692529	EPC 452 C06	15	692640	EPC 62 B20	17	692816	EPC 451N B25	7			
692530	EPC 452 C10	15	692641	EPC 62 B25	17	692817	EPC 451N B32	7			
692531	EPC 452 C16	15	692642	EPC 62 B32	17	692818	EPC 451N B40	7			
692532	EPC 452 C20	15	692643	EPC 62 B40	17	692819	EPC 61N B02	8			
692533	EPC 452 C25	15	692644	EPC 63 B02	17	692820	EPC 61N B04	8			
692534	EPC 452 C32	15	692645	EPC 63 B04	17	692821	EPC 61N B06	8			
692535	EPC 452 C40	15	692646	EPC 63 B06	17	692822	EPC 61N B10	8			
692536	EPC 453 C02	15	692647	EPC 63 B10	17	692823	EPC 61N B16	8			
692537	EPC 453 C04	15	692648	EPC 63 B16	17	692824	EPC 61N B20	8			
692538	EPC 453 C06	15	692649	EPC 63 B20	17	692825	EPC 61N B25	8			
692539	EPC 453 C10	15	692650	EPC 63 B25	17	692826	EPC 61N B32	8			
692540	EPC 453 C16	15	692651	EPC 63 B32	17	692827	EPC 61N B40	8			
692541	EPC 453 C20	15	692652	EPC 63 B40	17	692828	EPC 101N B02	9			
692542	EPC 453 C25	15	692653	EPC 64 B02	17	692829	EPC 101N B04	9			
692543	EPC 453 C32	15	692654	EPC 64 B04	17	692830	EPC 101N B06	9			
692544	EPC 453 C40	15	692655	EPC 64 B06	17	692831	EPC 101N B10	9			
692545	EPC 454 C02	15	692656	EPC 64 B10	17	692832	EPC 101N B16	9			
692546	EPC 454 C04	15	692657	EPC 64 B16	17	692833	EPC 101N B20	9			
692547	EPC 454 C06	15	692658	EPC 64 B20	17	692834	EPC 101N B25	9			
692548	EPC 454 C10	15	692659	EPC 64 B25	17	692835	EPC 101N B32	9			
692549	EPC 454 C16	15	692660	EPC 64 B32	17	692836	EPC 101N B40	9			
692550	EPC 454 C20	15	692661	EPC 64 B40	17	693054	DCC 41 N C06	18			
692551	EPC 454 C25	15	692689	EPC 611 B02	10	693055	DCC 41 N C10	18			
692552	EPC 454 C32	15	692690	EPC 611 B04	10	693056	DCC 41 N C16	18			
692553	EPC 454 C40	15	692691	EPC 611 B06	10	693057	DCC 41 N C20	18			
692554	EPC 62 C02	17	692692	EPC 611 B10	10	693058	DCC 41 N C25	18			
692555	EPC 62 C04	17	692693	EPC 611 B13	10	693059	DCC 41 N C32	18			
692556	EPC 62 C06	17	692694	EPC 611 B16	10	693060	DCC 41 N C40	18			
692557	EPC 62 C10	17	692695	EPC 611 B20	10	693061	DCC 61 N C02	19			
692558	EPC 62 C16	17	692696	EPC 611 B25	10	693062	DCC 61 N C04	19			
692559	EPC 62 C20	17	692697	EPC 611 B32	10	693063	DCC 61 N C06	19			
692560	EPC 62 C25	17	692698	EPC 611 B40	10	693064	DCC 61 N C10	19			
692561	EPC 62 C32	17	692699	EPC 611 C02	10	693065	DCC 61 N C16	19			
692562	EPC 62 C40	17	692700	EPC 611 C04	10	693066	DCC 61 N C20	19			

The policy of GE Consumer & Industrial is one of continuous improvement. The right is reserved to alter the design or any structural details of the products at any time without giving notice.

May 2009
GE Consumer & Industrial



Discover more new products

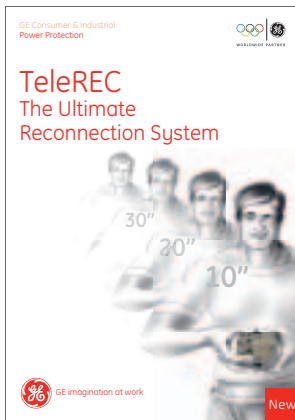


Fixwell™

Easy, fast & reliable

Fixwell™ MCB's and RCCB's are developed to reduce the installation time up to 40%.

Toolfree terminal connection, guaranteed reliability from the very first moment by plug&play.



TeleREC

Ensure power continuity in critical applications

TeleREC, the intelligent relay that attempts 6 times – with varying intervals – to reclose the RCCB after an earth leakage or a manual disconnect.

www.ge.com/eu/powerprotection

GE POWER CONTROLS Ltd
129-135 Camp Road
St Albans
Herts AL1 5HL
United Kingdom

Customer Service
Tel. 0800 587 1251
Fax 0800 587 1239
E-mail: gepcuk@gepc.ge.com



GE imagination at work