

The Power Protection 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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# New Consumer Units

Just feel protected





### Consumer units

- Advantages
- Range and order codes

### Modular devices

- MCB's
- RCBO's
- RCCB's
- Modular control
- Plug-in MCB's

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Just feel protected

**Safe & reliable**

The NEW consumer unit range provides electricians throughout the land with exactly what they need: high quality and reliability, flexibility, safe and of course easy to install. It's everything that you asked for.

Manufactured in **high quality polycarbonate** ABS with glow wire 960°C for the base and 650°C for the cover and door.

**Factory fitted surge protection option** helps to extend the life of your electrical equipment for the whole installation.

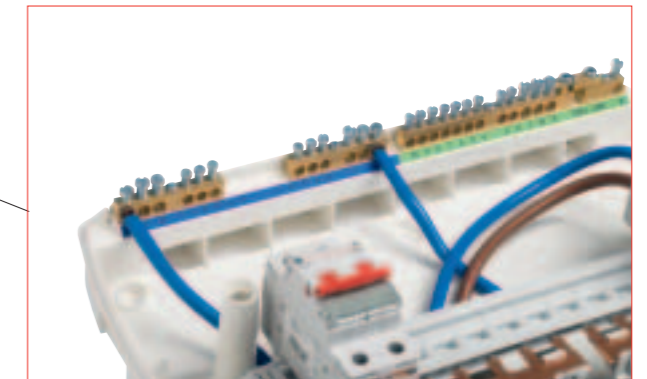
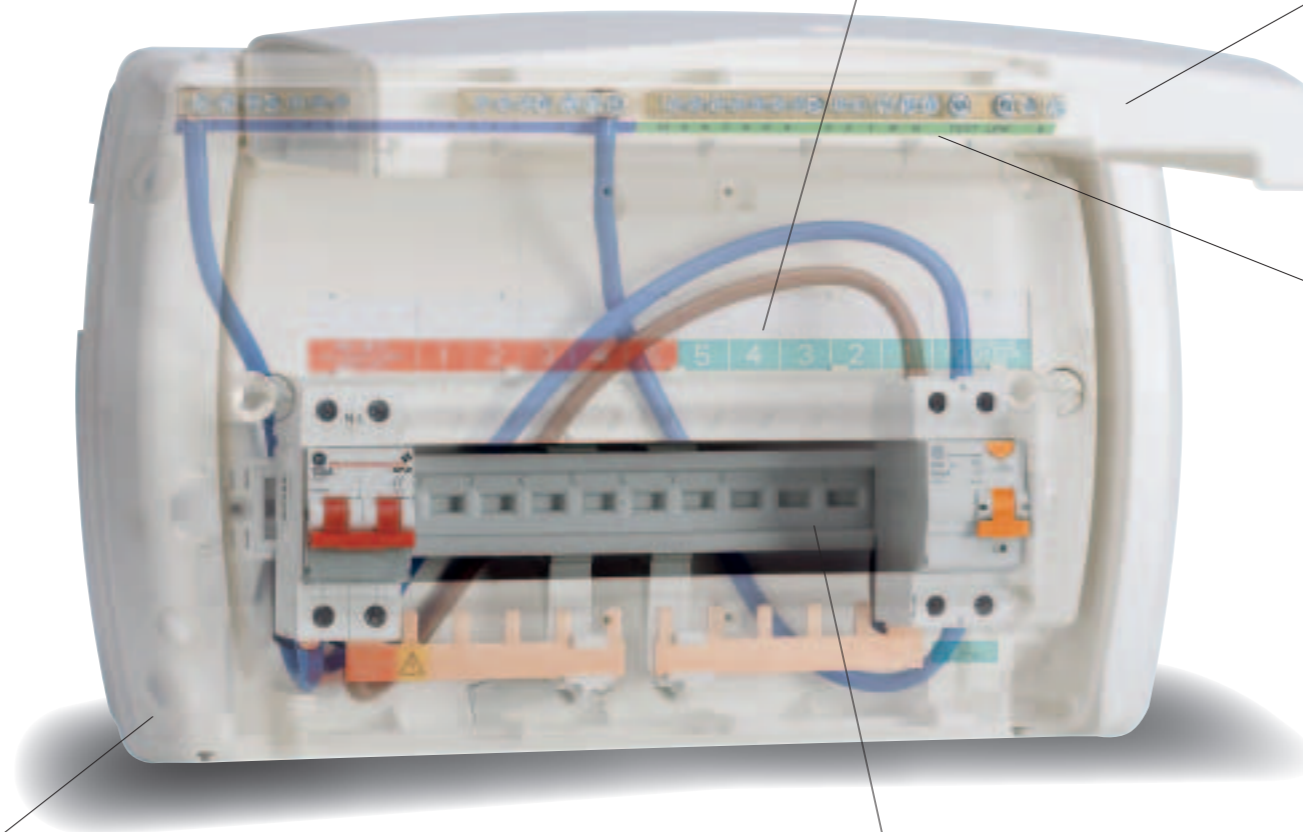
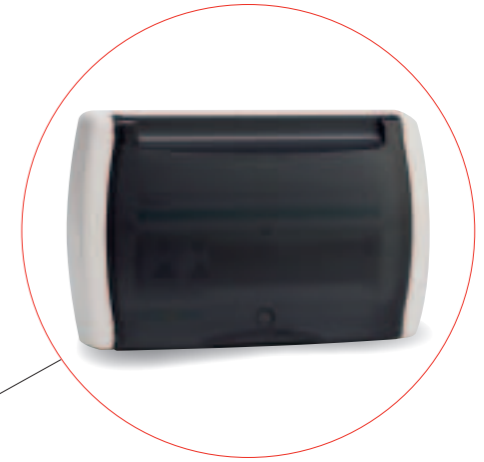
**Transparent door** available as an option.

Advantages

Advantages



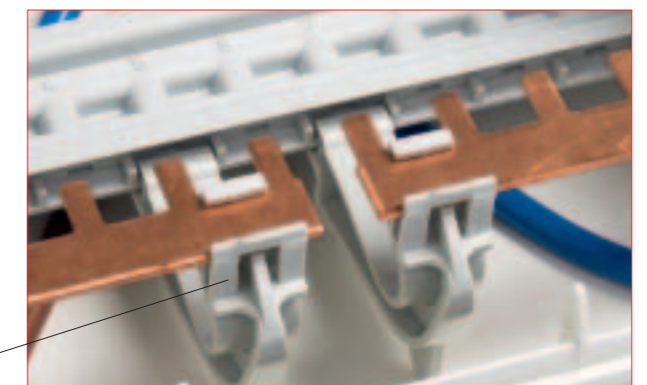
Full door with **key locking option** allows for enhanced security of device operation.



Clearly numbered & colour coded **terminal labels** aid correct wiring.



Reliable **top and bottom door opening** mechanism holds the door securely when open or closed.



**Full plastic DIN rail** ensures no sharp edges and reduced metallic parts to increase safety when cabling.

**Clip in supports** maintain busbar integrity when fixing devices.

**Easy to install**

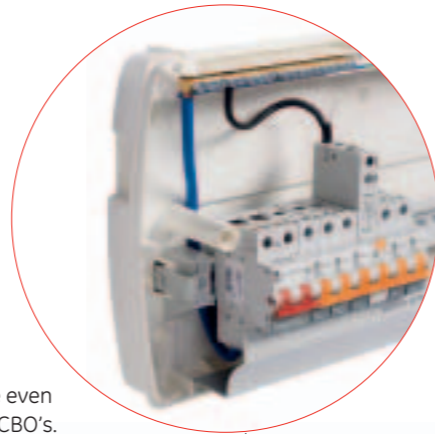
Through collaboration with electricians throughout the UK the NEW consumer unit provides a number of time saving features to help reduce your on site installation costs.

Advantages

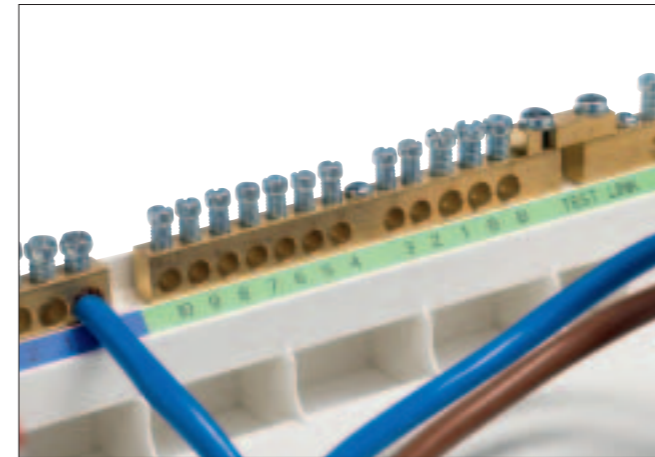


Comprehensive cable entry ensures easy cabling for the installer.

Generous wiring space even when using 1 module RCBO's.



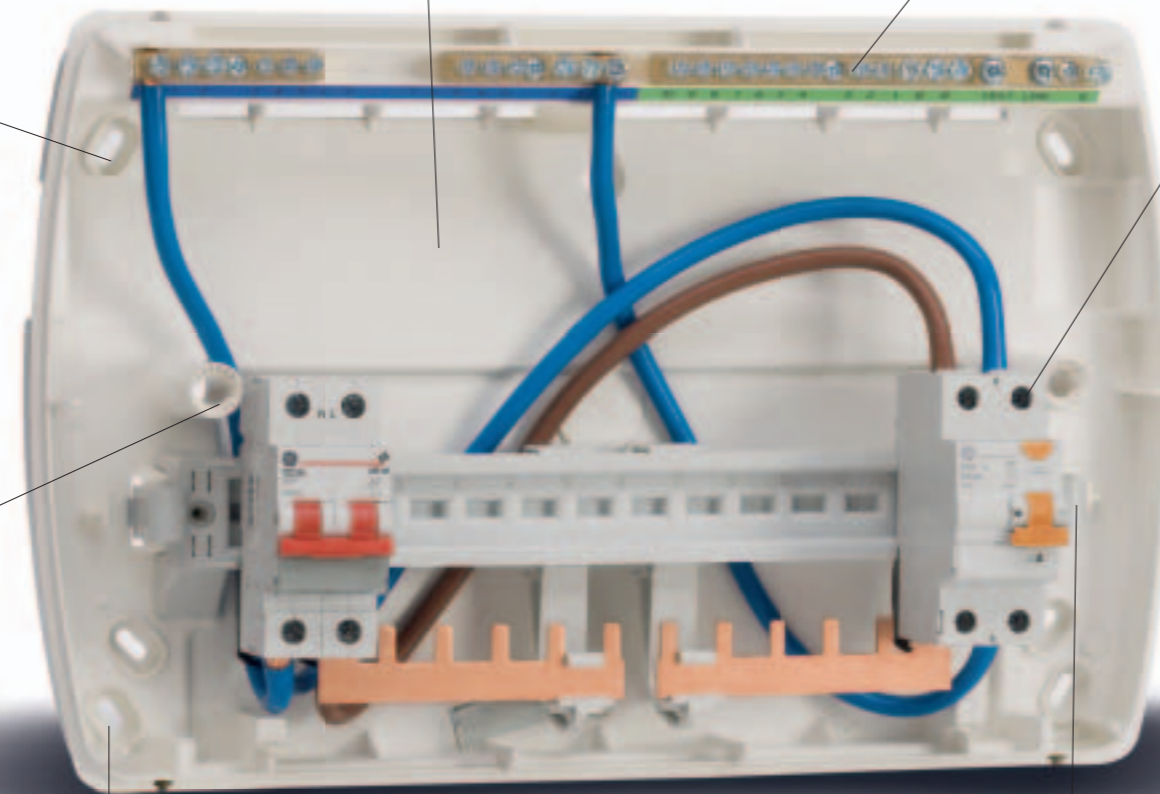
Terminal supplied in the open position allow for speedy cable installation.



Earth disconnect link aids speedy testing.

Combination 25mm<sup>2</sup> & 16mm<sup>2</sup> terminals allow easy connection of neutral and earth cables.

Pre-configured ready to accept MCB's or flexible options for on site configuration – you choose.



Slotted corner and centre key hole enclosure fixings ensure a quick and easy installation.

Quick release cover fixings allow for easy and reliable fitting and removal.



Easy to remove full DIN rail provides easy and secure fixing of all devices.



Enclosure stacking option as standard provides flexible solutions.

Advantages



Consumer Unit

BS EN60439-3



Applications



Standard / Marking

BS EN 60439-3



Performance

Voltage	240V 50Hz
Rating main switch	100A/63A
Rating RCCB	63A, 80A & 100A
IP rating	IP40
Poles	1P+N
Terminal capacity	25mm <sup>2</sup> + 16mm <sup>2</sup>

Dimensions Insulated

Dimension code	Height	Width	Depth
A (4 module)	245	198	120
B (10 module)	245	306	120
C (14 module)	245	378	120
D (18 module)	245	468	120

Dimensions Metal

Dimension code	Height	Width	Depth
A (4 module)	175	112	90
B (10 module)	208	218	108
C (14 module)	208	292	108
D (18 module)	208	370	108

Insulated main switch up to 100A



Available Q1 2008

MCB ways	Rating (A)	HxWxD code	Cat. No.	Ref. No.	Pack.
1 <sup>(1)</sup>	63A	A	MS1	662100	1
2 <sup>(1)</sup>	63A	A	MS2	662101	1
4	100A	B	MS4	662102	1
6	100A	B	MS6	662103	1
8	100A	B	MS8	662104	1
11	100A	C	MS11	662105	1
13	100A (45kA SPD)	D	MS13SPD	662107	1
16	100A	D	MS16	662106	1

Insulated RCCB main switch up to 80A



Available Q1 2008

MCB ways	Rating (A)	Sensitivity (mA)	HxWxD code	Cat. No.	Ref. No.	Pack.
1 <sup>(2)</sup>	63A	30mA	A	RM1	662108	1
2 <sup>(2)</sup>	63A	30mA	A	RM2	662109	1
4	80A	30mA	B	RM4	662110	1
6	80A	30mA	B	RM6	662111	1
8	80A	30mA	B	RM8	662112	1
11	80A	30mA	C	RM11	662113	1
13	80A	30mA	D	RM14SPD	662115	1
16	80A	30mA	D	RM16	662114	1

Insulated split load 100A main switch & 80A 30mA RCCB



Available Q1 2008

MCB ways	Split		HxWxD code	Cat. No.	Ref. No.	Pack.
	Iso	RCCB				
<i>Pre-configured</i>						
6	3	3	B	SL33	662119	1
10	5	5	C	SL55	662120	1
10	6	4	C	SL64	662121	1
12	6	6	D	SL66	662122	1
14	7	7	D	SL77	662123	1
<i>Flexible busbar</i>						
10	3/7	7/3	D	FSL10	662125	1
14	5/9	9/5	D	FSL14	662126	1
11 (45kA SPD)	4/7	7/4	D	FSL11SA	662130	1

Insulated time delayed RCCB split load - 100A 100mA TD RCCB & 80A 30mA RCCB



Available Q1 2008

MCB ways	Split		HxWxD code	Cat. No.	Ref. No.	Pack.
	Iso	RCCB				
10	5	5	C	SLTD55	662129	1

Garage & Shower



Description	RCCB Rating (A)	HxWxD code	Cat. No.	Ref. No.	Pack.
Garage unit 16A+6A	40A	A	GA40	662116	1
Shower unit 40A MCB	63A	A	SH40	662117	1
Shower unit 50A MCB	63A	A	SH50	662118	1

(1) Main switch rated at 63A  
(2) RCD main switch rated at 63A



**Metal main switch up to 100A**

MCB ways	Rating (A)	HxWxD code	Cat. No.	Ref. No.	Pack.
2 <sup>(1)</sup>	63A	A	VCM2	618401	1
4	100A	B	VCM4	618402	1
6	100A	B	VCM6	618403	1
9	100A	C	VCM9	618404	1
13	100A	D	VCM13	618405	1

**Metal RCCB main switch up to 80A**

MCB ways	Rating (A)	Sensitivity (mA)	HxWxD code	Cat. No.	Ref. No.	Pack.
2 <sup>(2)</sup>	63A	30mA	A	VCMA2	618406	1
4	80A	30mA	B	VCMA4	618407	1
6	80A	30mA	B	VCMA6	618409	1
9	80A	30mA	C	VCMA9	618411	1
13	80A	30mA	D	VCMA13	618413	1

**Metal split load 100A main switch & 80A 30mA RCCB**

MCB ways	Split		HxWxD code	Cat. No.	Ref. No.	Pack.
	Iso	RCCB				
<i>Pre-configured</i>						
6	3	3	C	VCM3A3	618416	1
8	4	4	D	VCM4A4	618419	1
10	5	5	D	VCM5A5	618423	1
14	7	7	D	VCM7A7	618489	1

**Metal time delayed RCCB split load 100A 100mA TD RCCB & 80A 30mA RCCB**

MCB ways	Split		HxWxD code	Cat. No.	Ref. No.	Pack.
	Iso	RCCB				
10	5	5	D	VCMBD5A5	618101	1

**Flush mounting kit for metal consumer units**

MCB ways	HxWxD code	Cat. No.	Ref. No.	Pack.
10	A	FMP10	618485	1
14	B	FMP14	618486	1
18	B	FMP18	618487	1

(1) Main switch rated at 63A  
(2) RCD main switch rated at 63A

NOTES:  
a) Metal consumer unit also required.  
b) Flush frame supplied separately for fitting by the installer.  
c) Image shows frame and consumer unit assembled  
d) To select the correct frame, match the frame and consumer unit dimension code.

**Skeleton consumer units**

MCB ways	Type	Cat. No.	Ref. No.	Pack.
12	100A main switch	MVISO12	618607	1
12	80A 30mA RCCB	MVRCD12	618617	1
10	Split Load 100A MS & 80A 30mA	MVSL10	618649	1

**Fix-o-Rail Cover – IP30 insulated enclosure**

Modules	Cat. No.	Ref. No.	Pack.
2	E2	610090	1
4	E4	610091	1

**Fix-o-Rail Junior – IP40 insulated enclosure**

Modules	Cat. No.	Ref. No.	Pack.
4	EC4E+N	610151	1
8	EC8E+N	610345	1

**Fix-o-Rail Metal – IP30 metal enclosure**

Modules	Cat. No.	Ref. No.	Pack.
4	FOR4	618910	1

**Insulated design enclosures**

Modules	Busbar ways	HxWxD code	Cat. No.	Ref. No.	Pack.
4	3	A	CU4BN	662131	1
10	9	B	CU10BN	662132	1
14	13	C	CU14BN	662133	1
18	17	D	CU18BN	662134	1

Insulated enclosures supplied with busbar and neutral link cable

**Metal design enclosures**

Modules	HxWxD code	Cat. No.	Ref. No.	Pack.
10	B	EDU10E+N	618791	1
14	C	EDU14E+N	618792	1
18	D	EDU18E+N	618793	1

**Half DIN rail adaptor (metal consumer units only)**

Description	Modules	Cat. No.	Ref. No.	Pack
Half DIN rail adaptor	2	HDIN2	618794	1
Half DIN rail adaptor	3	HDIN3	618795	1
Half DIN rail adaptor	4	HDIN4	618796	1
Half DIN rail adaptor	6	HDIN6	618797	1

**Blanks, shrouds & locks**



Description	Modules	Cat. No.	Ref. No.	Pack
Cover blanking plate	4	BLANK4	610382	4
Busbar shroud	3	SHR3	619018	10
Consumer unit door lock	-	CKEY	662137	1
Device padlock bracket	-	KS	624929	2

**Transparent consumer unit doors**



Description	Modules	Cat. No.	Ref. No.	Pack
Transparent door	4	CD4	662139	1
Transparent door	10	CD10	662140	1
Transparent door	14	CD14	662141	1
Transparent door	18	CD18	662142	1

**Connection cables & linking pins**



Description	Cat. No.	Ref. No.	Pack
Split load cable kit 10/14 modules	CSLKIT14	662136	1
Split load cable kit 18 modules	CSLKIT18	662138	1
Live link cable	LLINK1	409000	1
Neutral link cable	NLINK1	594009	1
Consumer unit linking pins	CULINKPIN	662144	10



New Domestic Range

Series DG - characteristic B & C - 6kA



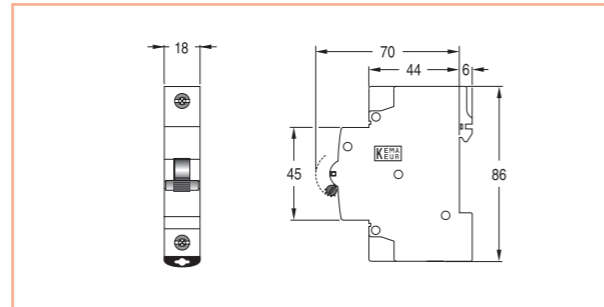
NEW Domestic Range

In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DG61B06	690722	DG61C06	690553	12
10	DG61B10	690723	DG61C10	690554	12
16	DG61B16	690724	DG61C16	690555	12
20	DG61B20	690725	DG61C20	690556	12
25	DG61B25	690726	DG61C25	690557	12
32	DG61B32	690727	DG61C32	690558	12
40	DG61B40	690728	DG61C40	690559	12
50	DG61B50	690729	DG61C50	690560	12

Performance data

Standard	BS EN60898
Current rating	6A - 50A
Voltage	240V 50Hz
Min. operating voltage	12V
Tripping characteristic	B & C
Poles	1P (1 mod)
Terminal capacity	25mm <sup>2</sup>

Dimensions



Series DPE - type AC - characteristic B & C



NEW 50A

In (A)	B		C		Pack
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DPE100B06/030	605007	DPE100C06/030	605021	1
10	DPE100B10/030	605008	DPE100C10/030	605022	1
16	DPE100B16/030	605009	DPE100C16/030	605023	1
20	DPE100B20/030	605010	DPE100C20/030	605024	1
25	DPE100B25/030	605011	DPE100C25/030	605025	1
32	DPE100B32/030	605012	DPE100C32/030	605026	1
40	DPE100B40/030	605013	DPE100C40/030	605027	1
50	DPE100B50/030	605732	DPE100C50/030	605733	1

Series DPE - type A - characteristic B & C



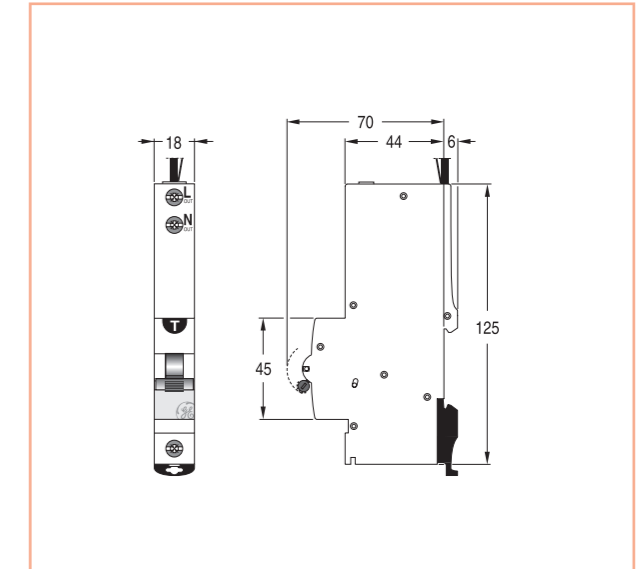
NEW 50A

In (A)	B		C		Pack
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DPEA100B06/030	605092	DPEA100C06/030	605106	1
10	DPEA100B10/030	605093	DPEA100C10/030	605107	1
16	DPEA100B16/030	605094	DPEA100C16/030	605108	1
20	DPEA100B20/030	605095	DPEA100C20/030	605109	1
25	DPEA100B25/030	605096	DPEA100C25/030	605110	1
32	DPEA100B32/030	605097	DPEA100C32/030	605111	1
40	DPEA100B40/030	605098	DPEA100C40/030	605112	1
50	DPEA100B50/030	605720	DPEA100C50/030	605721	1

Performance data

Standard	BS EN61009
Current rating	6A - 50A
Voltage	240V 50Hz
Min. operating voltage	100V
Tripping characteristic	B & C
Sensitivity	30mA
Poles	1P+N (1 mod)
Terminal capacity	25mm <sup>2</sup> (top) 35mm <sup>2</sup> (bottom)
Ambient temperature	-5 up to 55 °C
Weight	235g
Flying lead length	590mm
Fault rating	10kA
Selectivity class	3

Dimensions



For details of our complete range of RCBO's please refer to our ElfaPlus modular devices catalogue



Series DCG - type AC



NEW Domestic Range

In (A)	30mA		100mA		Pack
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
40	DCG240/030	690778	-	-	6
63	DCG263/030	608413	-	-	6
80	DCG280/030	608300	-	-	6

Series DSG - type S (time delayed)



NEW Domestic Range

In (A)	30mA		100mA		Pack
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
100	-	-	DSG2100/100	608301	6

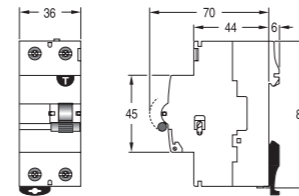
For details of our complete range of RCCB's please refer to our ElfaPlus modular devices catalogue

Performance data

Standard	BS EN61008
Current rating	40A, 63A, 80A & 100A
Voltage	240V 50Hz
Min operating voltage	100V
Sensitivity	30mA, 100mA
Poles	2P (2 mod)
Terminal capacity	35mm <sup>2</sup>
Ambient temperature	-5 up to 55 °C
Weight	220g

Dimensions

DCG/DSG



Contax - Contactors



In (A)	Poles	Coil (V)	Modules	Cat. No.	Ref. No.	Pack.
20	2	230V	1	CTX2020230A	666131	1
40	2	230V	3	CTX4020230U	666146	1

Series T - Bell transformers



Power	Voltage	Modules	Cat. No.	Ref. No.	Pack.
5	220..240V	2	TRB5	666638	1
8	220..240V	2	TRB8	666650	1
10	220..240V	2	TRB10	666636	1
15	220..240V	2	TRB15	666637	1

Classic & Galax - Time switches



Program	Channels	Modules	Cat. No.	Ref. No.	Pack.
<b>Analogue</b>					
Day	1	1	CLSQ11D	666105	1
Day	1	3	CLSQ31D	666104	1
Week	1	3	CLSQ31W	666109	1
<b>Digital</b>					
Day/week	1	1	GLXQ11W42	666187	1
Day/week	2	2	GLXQ22W42	666191	1

Pulsar - Staircase time switch



Delay Nom	Modules	Cat. No.	Ref. No.	Pack.
0.5..12min	6A/250V	1	PLTSEM	666510

Surgeguard - Surge Arresters



Rating	Poles	Modules	Cat. No.	Ref. No.	Pack.
20kA	1P (Plug-In)	1	SGSP2202	666545	1
20kA	1P+N	2	SGMM2202	666525	1

For details of our complete range of modular control devices please refer to our ElfaPlus modular devices catalogue



MiniTRIP plug-in MCB's - 3kA - type B

Table with columns: In (A), MCB (Cat. No., Ref. No.), Base (Cat. No., Ref. No.), Pack. Lists various ratings from 5A to 45A.

The MiniTrip is a plug-in MCB which provides a simple, cost-effective method of upgrading existing installations.

Designed as a simple installation retro-fit device, MiniTrip MCBs fit directly into existing consumer units (of the appropriate type) and replace the old rewirable fuse carriers. This upgrades the installation to modern circuit breaker technology with the following benefits:

- easily reset (no more fumbling with fusewire in the dark!)
• improved protection
• no risk of accidentally replacing fuse wire with the wrong rating (fire hazard)

As an alternative to the time consuming inconvenience and costly replacement of consumer unit, MiniTrips now give you the choice!



Table with columns: Cat. No., Ref. No., Pg. Lists various MCB and breaker models and their page numbers.

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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. October 2007 GE Consumer & Industrial



## Consumer unit Requirements 17th Edition Wiring Regulations BS 7671 : 2008

In July 2008, for Residential and Domestic installations the 17th Edition wiring regulations came into effect.

It is important to understand that the 17th Edition differentiates between installations depending on the user. The regulations discuss "installations not under the supervision of a skilled or instructed persons" and "socket outlets for general use by ordinary persons". With this the installation requires "Additional Circuit Protection" by the use of 30mA RCD's fitted to many circuits which have not previously needed protection from an RCD.

The most significant change is the introduction requiring additional protection by RCD's.

The 3 main points for consideration are:

1. Socket outlets
2. Cables buried in walls
3. Locations containing a bath or a shower

All sockets with a rated current not exceeding 20A should be protected by a 30mA RCD whether on the ground floor of a domestic dwelling or the top floor of a high rise apartment block.

All sockets in a room with a bath or shower shall be protected by one or more RCD's.

All cables concealed beneath the plaster surface of a wall or partition (at less than 50mm without earthed mechanical protection such as conduit) should be protected by a 30mA RCD.

Installations should be divided up into circuits so as to take account of danger and inconvenience caused by a single circuit fault, such as a lighting circuit and to take account of danger that may arise from the failure such and to reduce the possibility of unwanted tripping of RCD's.

Most domestic installations are made up of a few lighting circuits, a few socket circuits and the same with the bathroom circuits. With the new legislation these can no longer be grouped together using only MCB's as protection devices. It is important to understand and to ensure that if a single fault occurs it should not cause inconvenience to any other circuit. For instance if there was to be a fault with an electric shower, the tripping of the protection device should not plunge the rest of the bathroom into darkness.

With the many different types of property to consider and the many different types of equipment such as smoke alarms. Each dwelling will require its own design considerations.

GE can help you with your selection providing help on site if required and can offer a wide variety of NEW consumer units and devices to help both the designer and the installer to meet the new regulations.

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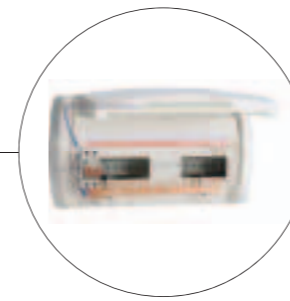
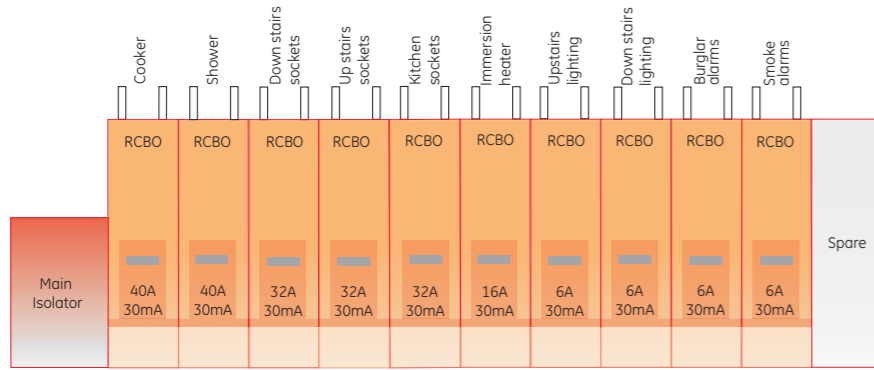
# Consumer Units

Just feel protected



17th edition compatible

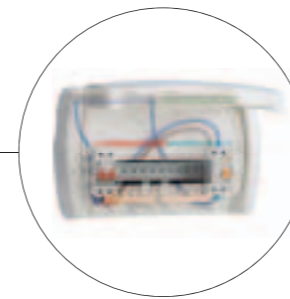
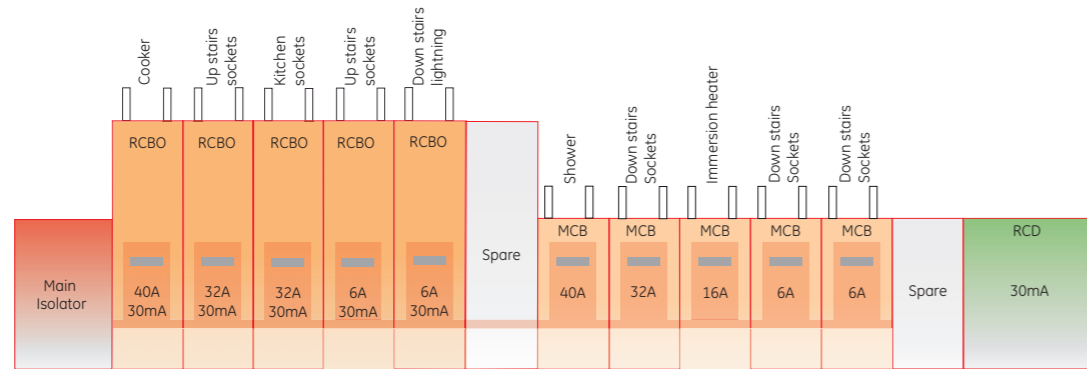
**Option 1: Insulated main switch up to 100A Consumer Unit MS11**  
 Selecting RCBO's for every outgoing circuit meets all regulations ensuring a dedicated 30mA protected supply to every circuit



**Insulated main switch up to 100A**

No. of ways	Rating (A)	HxWxD code*	Cat. No.	Ref. No.	Pack.
1 <sup>III</sup>	63A	A	MS1	662100	1
2 <sup>III</sup>	63A	A	MS2	662101	1
4	100A	B	MS4	662102	1
6	100A	B	MS6	662103	1
8	100A	B	MS8	662104	1
11	100A	C	MS11	662105	1
16	100A	D	MS16	662106	1

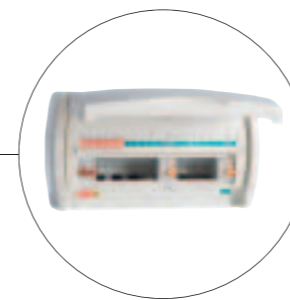
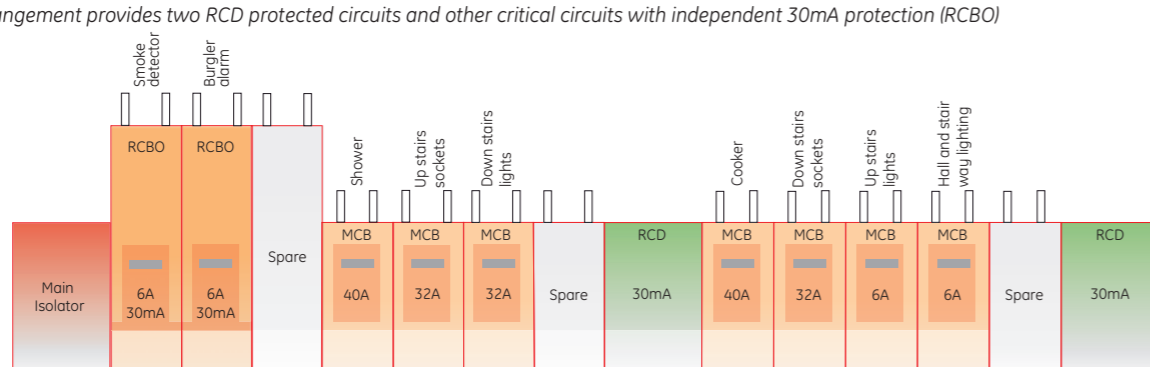
**Option 2: Insulated split load, 100A main switch & 80A 30mA RCCB Consumer Unit SL66**  
 This arrangement provides an RCD with a small group of circuits and other critical circuits with independent 30mA protection (RCBO)



**Insulated split load 100A main switch & 80A 30mA RCCB**

No. of ways	Split		HxWxD code*	Cat. No.	Ref. No.	Pack.
	Iso	RCCB				
<b>Pre-configured</b>						
6	3	3	B	SL33	662119	1
10	5	5	C	SL55	662120	1
10	6	4	C	SL64	662121	1
12	6	6	D	SL66	662122	1
14	7	7	D	SL77	662123	1
<b>Flexible busbar</b>						
10	3/7	7/3	D	FSL10	662125	1
14	5/9	9/5	D	FSL14	662126	1

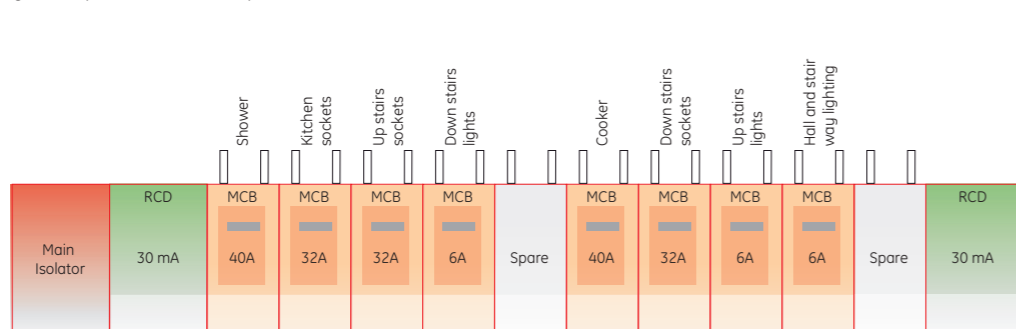
**Option 3: Dual 80A 30mA RCCB insulated split load, 100A main switch Consumer Unit with dedicated RCD protected circuits TSL345**  
 This arrangement provides two RCD protected circuits and other critical circuits with independent 30mA protection (RCBO)



**Insulated split load 100A main switch & Dual 80A 30mA RCCB**

No. of ways	Split			HxWxD code*	Cat. No.	Ref. No.	Pack.
	Iso	RCCB	RCCB				
<b>Pre-configured</b>							
6	2	2	2	C	TSL222	662152	1
10	3	4	5	D	TSL345	662153	1
10	4	4	2	D	TSL442	662154	1
12	2	5	5	D	TSL255	662155	1
12	4	5	5	D	TSL444	662156	1
<b>Flexible busbar</b>							
12	3/4/5	5/4/3		D	FTSL12	662161	1

**Option 4: Dual 80A 30mA RCCB insulated split load, 100A main switch Consumer Unit with dedicated RCD protected circuits DSL55**  
 This arrangement provides two RCD protected circuits



**Insulated split load 100A main switch & 80A 30mA RCCB**

No. of ways	Split		HxWxD code*	Cat. No.	Ref. No.	Pack.
	RCCB	RCCB				
<b>Pre-configured</b>						
10	4	4	C	DSL44	662157	1
10	6	4	D	DSL64	662158	1
10	5	5	D	DSL55	662159	1
12	6	6	D	DSL66	662160	1
<b>Flexible busbar</b>						
12	5/7	7/5	D	DFSL12	662163	1

