

SECTOR

The NEW Generation of Consumer Units



Available exclusively from **Senate**
electrical

COMPLIES WITH 17th EDITION

The new range of Consumer units is designed to help installers meet the high demands of the modern domestic installation.

The choice of product includes all of the previous popular models such as the split load units plus some additional models designed to comply with the 17th edition wiring regulations. These include High Integrity and Dual RCD boards.

Another addition to the range is a single module 18mm 30mA RCBO in ratings from 6 Amp to 50 Amp for the additional protection of individual circuits.

- ▶ New models for the 17th Edition ie: High Integrity and Dual RCD Models.
- ▶ Flexible split load units to allow configuration on site.
- ▶ New range of Single Module Single Pole RCBO's.
- ▶ Translucent visor for discreet appearance.
- ▶ Raised DIN rail providing top and bottom wiring routes.
- ▶ Full DIN rail allows for use of DIN Accessories ie: Timers, Contactors.
- ▶ New modern curved style insulated consumer unit.
- ▶ Large enclosures allowing ample wiring space.
- ▶ All round cable entry-top, bottom, sides and rear.



- ▶ Raised DIN Rail providing top and bottom wiring entries
- ▶ Cable through path beneath DIN rail

Just some of the reasons why

- ▶ Modern curved styling
- ▶ Neutral colour



- ▶ Large metal enclosures allowing additional wiring space and fitting of 1 module RCBO's



- ▶ Fixing slots for level adjustment

- ▶ Quarter turn screws for quick release cover
- ▶ Dual type screw head



Consumer Units and Accessories Developed with the Installer in Mind

Making Sense of the 17th Edition Wiring Regulations

- All socket outlets should be protected by 30mA RCD whether on the ground floor of a house or the top floor of a high rise apartment block
- All circuits in a room with a fixed bath or shower should be protected by one or more 30mA RCDs
- All cable buried beneath the plaster surface of a wall or partition (at less than 50mm) should be protected by 30mA RCDs
- All cables concealed in metal stud partitions (common in new builds) should be protected by 30mA RCDs
- Installations should be divided up into circuits so as to take account of danger and inconvenience caused by a single fault - e.g. such as a lighting circuit
- Installations should be designed and arranged so as to prevent unwanted tripping of RCDs



SUMMARY TABLE

REGULATIONS	RELATING TO:	EXAMPLES	ADDITIONAL PROTECTION
411.3.3	Sockets up to 20A rating for general use by ordinary persons	Upstairs sockets Downstairs Sockets Kitchen Sockets Cooker outlet with integral 13A socket Garage Sockets Plus any other sockets up to 20A rated	30mA RCD
701.411.3.3	All circuits in a room with a fixed bath or shower	Shower circuit Lighting circuit Heating circuit Ventilation circuit Shaver socket Plus other circuits	30mA RCD
522.6.6 522.6.7 and 522.6.8	All circuits buried in a wall or partition at less than 50mm and without mechanical protection	Downstairs lighting Upstairs lighting Immersion heater Burglar alarm Smoke alarms Plus any other circuits	30mA RCD

British standard and IEE regulations are subject to change and amendments. This guide to Sector consumer units is not a substitute for the regulations which should always be used for all types of electrical installation design and installation work.

you should choose the NEW generation Sector Consumer Units



- ▶ All round cable entry; top, bottom and sides
- ▶ Open cable entries



- ▶ Large cable entries for single point cable entry application

- ▶ Large insulated enclosures allowing additional wiring space and fitting of 1 module RCBOs

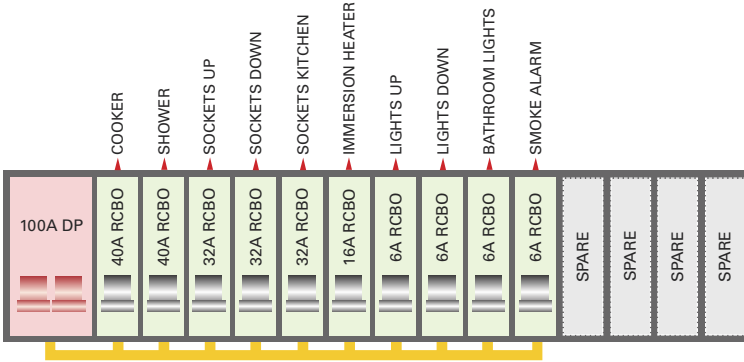


- ▶ Translucent visor for discreet appearance



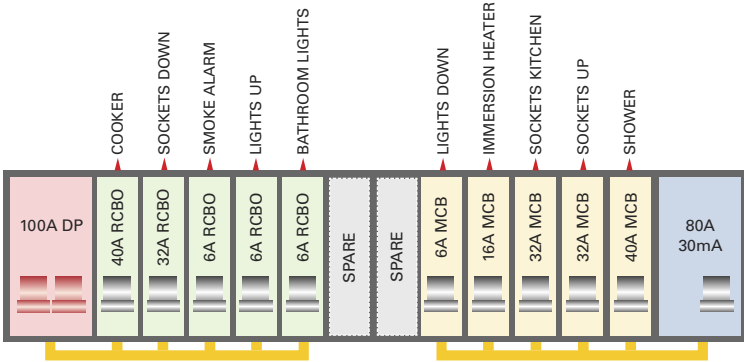
CONSUMER UNITS - AN EXPLANATION OF THE DIFFERENT TYPES

MAIN SWITCH CONTROLLED UNITS



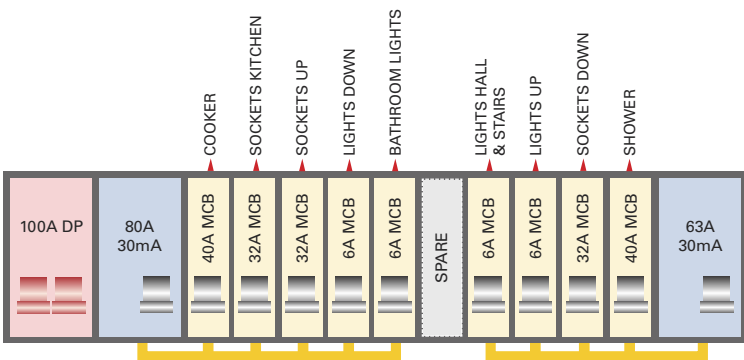
- ▶ Can provide 100% RCD protection
- ▶ Simplest solution
- ▶ Can provide independent RCD protection for all circuits resulting in the safest solution
- ▶ Allows for any RCD exemptions that may be required
- ▶ Enables the use of narrower consumer units

SPLIT LOAD UNITS



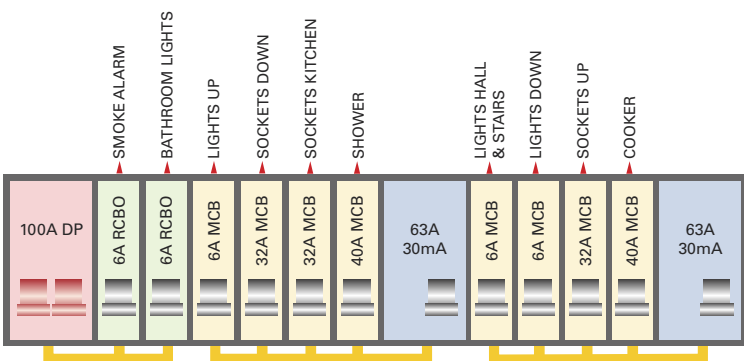
- ▶ Can provide 100% RCD protection
- ▶ Can provide independent RCD protection for selected circuits
- ▶ Allows for any RCD exemptions that may be required
- ▶ Some circuits may be grouped at the discretion of the installer
- ▶ Other circuits have independent RCD protection
- ▶ No increase in the width of consumer unit or loss in the number of outgoing circuits when compared to today's most commonly installed units.

DUAL RCD SPLIT LOAD UNITS



- ▶ Provides 100% RCD protection
- ▶ Circuits are distributed into two groups
- ▶ MCBS are utilised throughout
- ▶ The installer is required to display careful consideration when deciding upon final circuit groupings

HIGH INTEGRITY DUAL RCD SPLIT LOAD UNIT



- ▶ Can provide 100% RCD protection
- ▶ Can provide independent RCD protection for selected circuits
- ▶ Allows for any RCD exemptions that may be required
- ▶ Some circuits may be grouped at the discretion of the installer

INSULATED CONSUMER UNITS

Part No.	Code 0001	No of Ways	Main Incomer	Dimensions (mm)		
				Height	Width	Depth

Main Switch Incomer Main incomer 100A DP (63A Double Pole for 2 Way board)

SVCU2/INS	147535	2	63A	225	141	111
SVCU5/INS	147548	5	100A	225	194	111
SVCU8/INS	147551	8	100A	225	248	111
SVCU11/INS	147564	11	100A	225	302	111
SVCU14/INS	147577	14	100A	225	355	111

Part No.	Code 0001	No of Ways Unprotected	No of Ways Protected by RCD	Dimensions (mm)		
				Height	Width	Depth

Split Load Main incomer 100A Double Pole for all circuits plus 80A 30mA DP RCD for selected circuits

SVCU33/INS	147580	3	3	225	248	111
SVCU54/INS	147603	5	4	225	302	111
SVCU66/INS	147616	6	6	225	355	111
SVCU98/INS	147632	9	8	225	445	111

Part No.	Code 0001	No of Usable Ways	Dimensions (mm)		
			Height	Width	Depth

Flexible Units Main incomer 100A Double Pole for all circuits plus 80A 30mA DP RCD for selected circuits

SVCUFSL9/INS	147593	9	225	302	111
SVCUFSL12/INS	147629	12	225	355	111

Part No.	Code 0001	No of Ways Unprotected	No of Ways Protected by RCD	Dimensions (mm)		
				Height	Width	Depth

High Integrity Main incomer 100A Double Pole for all circuits plus 2 x 30mA DP RCD for selected circuits

SVCU244HI/INS	147645	2	4	4	225	355	111
SVCU433HI/INS	147658	4	3	3	225	355	111
SVCU465HI/INS	147661	4	6	5	225	445	111

Dual RCCB Main incomer 100A Double Pole for all circuits plus 2 x 30mA DP RCD for selected circuits

SVCU43DR/INS	147674	-	4	3	225	302	111
SVCU55DR/INS	147687	-	5	5	225	355	111
SVCU87DR/INS	147690	-	8	7	225	445	111

Part No.	Code 0001	No of Ways	RCD Rating	Dimensions (mm)		
				Height	Width	Depth

RCCB Incomer Main incomer 63A or 80A 30mA DP RCD

SVCU2A/INS	147700	2	63A 30mA	225	141	111
SVCU5A/INS	147713	5	80A 30mA	225	194	111
SVCU8A/INS	149999	8	80A 30mA	225	248	111

Attractive Curved Profile
featuring Smoked Cover

High Integrity

Dual RCCB

RCCB Incomer

METAL CONSUMER UNITS

Part No.	Code 0001	No of Ways	Main Incomer	Dimensions (mm)		
				Height	Width	Depth

Main Switch Incomer Main incomer 100A Double Pole (63A Double Pole for 2 Way board)

SVCU2/MTL	147726	2	63A	210	126	96
SVCU5/MTL	147739	5	100A	238	188	123
SVCU8/MTL	147742	8	100A	238	241	123
SVCU11/MTL	147755	11	100A	238	292	123
SVCU14/MTL	147768	14	100A	238	345	123

Part No.	Code 0001	No of Ways Protected by RCD	RCD Rating	Dimensions (mm)		
				Height	Width	Depth

Dual RCCB Main incomer 100A Double Pole for all circuits plus 2 x 30mA DP RCD for selected circuits

SVCU43DR/MTL	147771	4	3	238	292	123
SVCU55DR/MTL	147784	5	5	238	345	123
SVCU87DR/MTL	147797	8	7	238	438	123

Part No.	Code 0001	No of Ways	RCD Rating	Dimensions (mm)		
				Height	Width	Depth

RCCB Incomer Main incomer 63A or 80A 30mA DP RCD

SVCU2A/MTL	147807	2	63A 30mA	210	126	96
SVCU5A/MTL	147810	5	80A 30mA	238	188	123



Tough Metal Unit features Transparent Cover

Main switch Incomer



Dual RCCB



RCCB Incomer

MODULES & ACCESSORIES

Part No.	Code	Rating
	0001	

Miniature Circuit Breakers (MCB) Type B, 6kA Breaking Capacity

SVMCB6/B	147823	6A
SVMCB10/B	147836	10A
SVMCB16/B	147849	16A
SVMCB20/B	147852	20A
SVMCB32/B	147865	32A
SVMCB40/B	147878	40A
SVMCB50/B	147881	50A

RCBO (MCB / RCCB, 1 mod) Type B & C, 6kA Breaking Capacity

SVRCBO6	147894	6A
SVRCBO10	147904	10A
SVRCBO16	147917	16A
SVRCBO20	147920	20A
SVRCBO32	147933	32A
SVRCBO40	147946	40A
SVRCBO50	147959	50A

Residual Current Circuit Breaker - Double Pole (RCCB or RCD)

SVRCCB25/DP	147975	25A 30mA
SVRCCB40/DP	147988	40A 30mA
SVRCCB63/DP	147991	63A 30mA
SVRCCB80/DP	148000	80A 30mA

Part No.	Code	Description
	0001	

Blanking Pieces

SVBLNK4	147962	BLANKS
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Consumer Unit Kits Insulated

SVGARAGE/INS	148013	GARAGE UNIT 63A 6A+16A
SVSHOWER/INS	148026	SHOWER UNIT 63A 50A+BLNK

Main Switch

SVMS100	148039	100A Double Pole
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Bell Transformer

SVBTR5	148042	12V BELL TRANSFORMER
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Digital Timeclock

SV7TC	148055	1 CHANNEL 24hr 7 DAY
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General Purpose Enclosures

SVE2/INS	148068	2MOD DIN ENC INSULATED
SVE4/INS	148071	4MOD DIN ENC INSULATED
SVFOR4/MTL	148084	4MOD DIN ENC METAL

SPECIFICATIONS

Assembled Units

BS EN 60439-3

Main Switch

BS EN 60947-3

Rating: 63A 240V 50Hz / 100A
240V 50Hz

Pole Configuration:
Double pole

MCB

BS EN 60898

Current Rating: 6A - 50A

Short Circuit Breaking Capacity:
6000A

Type Classification: B (3-5In)

Pole Configuration: Single pole

RCBO

BS EN 61009

Short Circuit Breaking

Capacity: 6000A

Current Rating: 6A - 50A

Rated Residual Operating

Current: 30mA Type AC

Type Classification: B (3-5In)

Type Classification: C (5-10In)

Rated Voltage: 230V, Rated

Frequency: 50Hz (Electronic)

Pole Configuration: Single pole
with unswitched neutral

RCCB or RCD

BS EN 61008

Rating: 63A & 80A

Rated Residual Operating

Current: 30mA Type AC

Pole Configuration:

Double pole

Rated Voltage: 230V, Rated

Frequency: 50Hz

(Electro-mechanical)

4 Module Enclosure Insulated



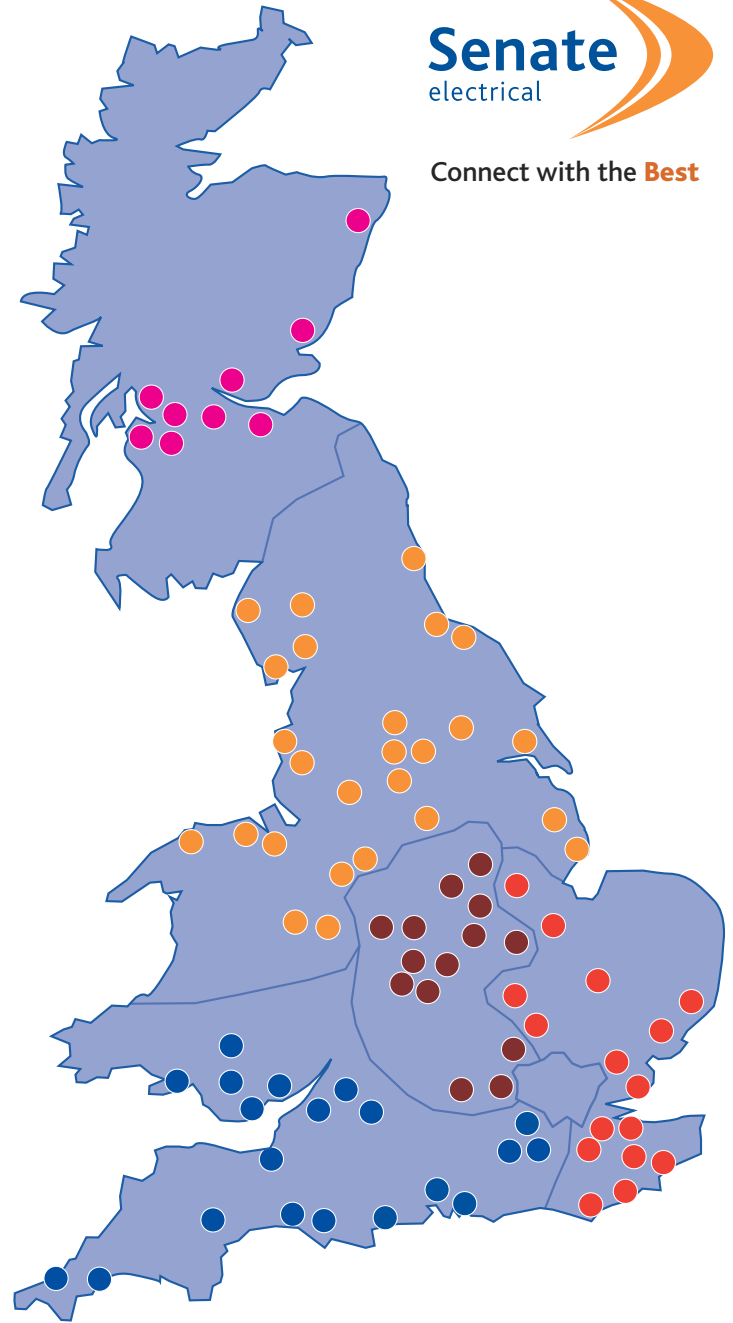
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