

Switchgear & Circuit Protection



Consumer Units 124-125



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Manufactured to BSEN60439-3
Robust 1.2mm sheet steel base (Metal Clad only)
IP2X rating
Pre-assembled ready to accept MCBs
Rated voltage 240V AC 50/60Hz
100A Busbar
Complete with Earth and Neutral bars
Raised DIN rail providing top and bottom wiring routes
All round cable entry- top, bottom, sides and rear
Labels for circuit identification
Modular devices can be fitted
Translucent visor for discreet appearance

Insulated Consumer Units - Main Incomer

No of Ways	Main Incomer (A)	Dimensions (mm)			Part No.
		H	W	D	
2	63	225	141	111	SVCU2/INS
5	100	225	194	111	SVCU5/INS
8	100	225	248	111	SVCU8/INS
11	100	225	302	111	SVCU11/INS
14	100	225	355	111	SVCU14/INS

Insulated Consumer Units - RCCB Incomer

No of Ways	RCD Rating	Dimensions (mm)			Part No.
		H	W	D	
2	63A, 30mA	225	141	111	SVCU2A/INS
5	80A, 20mA	225	194	111	SVCU5A/INS
8	80A, 30mA	225	248	111	SVCU8A/INS

Insulated Consumer Unit Kits

Supplied with 30mA RCCB and MCB(s).

Description	Part No.
Garage Unit 40A 6A + 16A	SVGARAGE/INS
Shower Unit 63A 50A + Blank	SVSHOWER/INS

Insulated Consumer Units - High Integrity

100A DP isolator and 2 x 63A 30mA RCCB.

No of Ways Unprotected by RCD	No of Ways Protected by RCD	Dimensions (mm)			Part No.
		H	W	D	
2	4 + 4	225	355	111	SVCU224HI/INS
4	3 + 3	225	355	111	SVCU433HI/INS
4	6 + 5	225	445	111	SVCU465HI/INS

Insulated Consumer Units - Dual RCCB Incomer

100A DP isolator, 1 x 63A 30mA & 1 x 80A 30mA RCCB.

No of Ways Protected by RCD	Dimensions (mm)	Part No.	
			H
4	3	225 302 111	SVCU43DR/INS
5	5	225 355 111	SVCU55DR/INS
8	7	225 445 111	SVCU87DR/INS

Insulated Consumer Units - Fixed & Flexible

Split load with 100A DP main incomer. 80A 30mA RCCB.

No of Ways Unprotected	No of Ways Protected by RCD	Dimensions (mm)			Part No.
		H	W	D	
Fixed Units					
3	3	225	248	111	SVCU33/INS
5	4	225	302	111	SVCU54/INS
6	6	225	355	111	SVCU66/INS
9	8	225	445	111	SVCU98/INS
No of Usable Ways		Dimensions (mm)			Part No.
		H	W	D	
Flexible Units					
9		225	302	111	SVCUFSL9/INS
12		225	355	111	SVCUFSL12/INS



Metal Distribution Boards - Main Incomer

No of Ways	Main Incomer (A)	Dimensions (mm)			Part No.
		H	W	D	
2	63	210	126	96	SVCU2/MTL
5	100	238	188	123	SVCU5/MTL
8	100	238	241	123	SVCU8/MTL
11	100	238	292	123	SVCU11/MTL
14	100	238	345	123	SVCU14/MTL

Metal Distribution Boards - RCCB Incomer

No of Ways	RCD Rating	Dimensions (mm)			Part No.
		H	W	D	
2	63A, 30mA	210	126	96	SVCU2A/MTL
5	80A, 20mA	238	188	123	SVCU5A/MTL
8	80A, 30mA	238	241	123	SVCU8A/MTL

Metal Distribution Boards - Dual RCCB Incomer

Main incomer 100A DP for all circuits and 2 x 30mA DP RCD for selected circuits.

No of Ways Protected by RCD		Dimensions (mm)			Part No.
		H	W	D	
4	3	238	292	123	SVCU43DR/MTL
5	5	238	345	123	SVCU55DR/MTL
8	7	238	438	123	SVCU87DR/MTL

Please refer to the Sector consumer unit brochure for full details

Single Pole Miniature Circuit Breakers

Type B, 6kA breaking capacity.

Complies with BSEN60898.

Current limiting operation under fault conditions.

Description	Part No.
6A	SVMCB6/B
10A	SVMCB10/B
16A	SVMCB16/B
20A	SVMCB20/B
32A	SVMCB32/B
40A	SVMCB40/B
50A	SVMCB50/B

RCBOs (MCB/RCB, 1 Mod)

Single pole with unswitched neutral.

Complies with BSEN61009.

Type B and type C available, 6kA breaking capacity.

Description	Part No.
6A	SVRCB06
10A	SVRCB10
16A	SVRCB16
20A	SVRCB20
32A	SVRCB32
40A	SVRCB40
50A	SVRCB50

RCD - DP (RCCB or RCD)

Complies with BSEN61008.

230V 50Hz.

Description	Part No.
25A 30mA	SVRCCB25/DP
40A 30mA	SVRCCB40/DP
63A 30mA	SVRCCB63/DP
80A 30mA	SVRCCB80/DP



SVMS100



SVBTR5



SV7TC



S416RIA



SEFEF303015



Main Switch

Description	Part No.
100A Double Pole	SVMS100

Bell Transformer

Description	Part No.
12V Bell Transformer	SVBTR5

Digital Timelock

Description	Part No.
1 Channel, 24 Hour, 7 Day	SV7TC

Blanks

Description	Part No.
Blanks	SVBLNK4

General Purpose Enclosures

Description	Part No.
2 Module Din Enclosure Insulated	SVE2/INS
4 Module Din Enclosure Insulated	SVE4/INS
4 Module Din Enclosure Metal	SVFOR4/MET

Wall Mounted Steel Enclosures - IP66

Grey RAL 7032 colour.
Polyurethane gasket and rain gutter.
Perforated door reinforcements allow equipment to be mounted inside the door.
Reversible door with opening of 120° in either direction.
Complete with earth studs.
Including galvanised mounting plate.

Dimensions (mm)			Part No.
H	W	D	
250	300	150	SEFEF253015
300	300	150	SEFEF303015
300	300	200	SEFEF303020
300	400	200	SEFEF304020
400	500	200	SEFEF405020
400	600	200	SEFEF406020
600	600	200	SEFEF606020
600	600	250	SEFEF606025
600	800	300	SEFEF608030
800	800	300	SEFEF808030
800	1000	300	SEFEF8010030
Cylinder Key Lock Kit			SA23302
Wall Mounting Kit			SEFKIT

For Baseline steel enclosures see page 225

Isolators - Moulded Plastic Enclosed - IP65 Rotary

Supplied with earth terminals.
Lockable switch.
M20 & 25 knockout entry (M25 & M32 on 63A).

Current Rating	Number Of Poles	Part No.
16A	4	S416RIA
32A	4	S432RIA
63A	4	S463RIA



Schneider
Electric

Merlin Gerin

Part L2 Metering

Compliance with certain aspects of the Building Regulations Part L2 has required the engineering and installation of meters to gather energy usage data.

Merlin Gerin has launched its solution to the problem by offering its Isobar 4c 3 phase split metering lighting and power B type distribution boards with inbuilt meters and communications options.

The Building Regulations Part L2 a and b demand sufficient facilities to account for 90% of each fuel type by end use category.

The new Isobar 4c gives metering of total load plus separate metering of section 2. All control wiring current transformers and protection for meters are included and fitted, with outputs wired to terminals. For remote data collection and communications, an Ethernet gateway and DC power supply can be supplied for retro-fit. The Power quality meters themselves are the state of the art PM750MG models with both pulsed output and Modbus communications.

Isobar 4c distribution boards have the option to be supplied with extension enclosures for the fitting of surge protection and remote switching. For split metering units the Isobar 4c 125 or 250A boards come with a unique new split busbar for lighting and power - in three combinations of 12/8, 14/6, 16/4 - but a single overall isolation device.

Standard incomers can be used together with split earth bars for ease of wiring. Like all Isobar 4c boards, there is an individual unique outgoing MCB connection slider; units are designed manufactured and tested to BS EN 60439 1 and 3; ingress protection is to IP3X to BS EN 60529; voltage rating is 400/415V; and the cable capacity of neutral and earth bars is 25mm²

Optional Retrofit Metering

Kits available for both lighting and power. There is a new and growing market for metering products/solutions driven by Part L2 of the Building Regulations and the high cost of energy.

Panel & Distribution Boards

MCCBs, MCBs, RCBOs & RCDs
A complete range of 3 phase panel and distribution boards including fully metered options. Available from all major manufacturers.

"If you can't measure it, you can't improve it"
Lord Kelvin (1824-1907)

FUSE LINKS



BS88 Industrial Fuse Links - 415V

Rating (A)	BS88 Dim. Ref.	Bussmann Part No.	GE Power Part No.	Lawson Part No.	Eaton MEM Part No.
Offset Bolted Tags					
2	A1	NITD2	GNIT 2	NIT 2	2SA2
4	A1	NITD4	GNIT 4	NIT 4	4SA2
6	A1	NITD6	GNIT 6	NIT 6	6SA2
10	A1	NITD10	GNIT 10	NIT 10	10SA2
16	A1	NITD16	GNIT 16	NIT 16	16SA2
20	A1	NITD20	GNIT 20	NIT 20	20SA2
2	A2	AA02	GTIA 2	TIA 2	2SB3
4	A2	AA04	GTIA 4	TIA 4	4SB3
6	A2	AA06	GTIA 6	TIA 6	6SB3
10	A2	AA010	GTIA 10	TIA 10	10SB3
16	A2	AA016	GTIA 16	TIA 16	16SB3
20	A2	AA020	GTIA 20	TIA 20	20SB3
25	A2	AA025	GTIA 25	TIA 25	25SB3
32	A2	AA032	GTIA 32	TIA 32	32SB3
40	A3	BA040	GTIS40	TIS40	40SB4
50	A3	BA050	GTIS50	TIS50	50SB4
63	A3	BA063	GTIS 63	TIS 63	63SB4
63	A4	CE063	GTCP 63	TCP 63	63SD5
100	A4	CE0100	GTCP 100	TCP 100	100SD5

Street Lighting Cut Out Fuses 240VAC

4	STD4	LST4	4LS
6	STD6	LST6	6LS
10	STD10	LST10	10LS
16	STD16	LST16	16LS
20	STD20	LST20	20LS
25	STD25	LST25	25LS
32	STD32	LST32	

BS88 Industrial Fuse Links - 415V

Rating (A)	BS88 Dim. Ref.	Bussmann Part No.	GE Power Part No.	Lawson Part No.	Eaton MEM Part No.
Offset Blade Tags					
2	F1	NSD2	NS 2	NS 2	2SN2
4	F1	NSD4	NS 4	NS 4	4SN2
6	F1	NSD6	NS 6	NS 6	6SN2
10	F1	NSD10	NS 10	NS 10	10SN2
16	F1	NSD16	NS 16	NS 16	16SN2
20	F1	NSD20	NS 20	NS 20	20SN2
32	F1	NSD32	NS 32	NS 32	32SN2

BS88 General Purpose Fuse Links - 415V

Rating (A)	Bussmann Part No.	Lawson Part No.
2	SMD2	MD2
4	SMD4	MD4
6	SMD6	MD6
8	SMD8	MD8
10	SMD10	MD10
16	SMD16	MD16
20	SMD20	MD20
25	SMD25	MD25
32	SMD32	MD32