



POWER UP

Light Commercial

Industry proven mid-market products offering fast and easy installation, safe circuit protection, and fewer connections



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Life Is On

Schneider
Electric

A construction worker wearing a white hard hat, safety glasses, a grey long-sleeved shirt, and blue jeans is kneeling on a wooden floor. He is focused on working on an electrical outlet mounted on a wooden wall. His hands are positioned near the outlet, and he appears to be using a small tool. To his right, on the floor, is a black tool bag with various tools visible, including a pair of pliers and a screwdriver. In the foreground, a lantern with a black handle and a clear glass globe is lit, casting a warm glow on the floor. The background shows the wooden framing of a building under construction, with vertical studs and horizontal beams. The overall atmosphere is one of diligent craftsmanship in a rustic, industrial setting.

Life Is On





Essential Solutions for Light Commercial projects

Industry proven mid-market products that offer fast and easy installation, safe and reliable circuit protection, and fewer connections.

As a leader in energy management, Schneider Electric are proud to offer a suite of electrical distribution products for Light Commercial applications. Schneider Electric's I-Line Panelboards, KQ Loadcentre distribution boards, **Easy9** final circuit protection, along with Lisse wiring accessories are now available from all major UK distributors. These support commercial installations for businesses, residential buildings, schools and public buildings, and high-end property installations.

Our ranges all include high levels of safe circuit protection for overloads, earth faults and short circuits. The 'out of the box' products are ready

to install to ensure speed of installation and uses fewer terminations, whilst maintaining a high standard of reliability. This reduces installation time and saves time during routine electrical installation checks. In addition, the facility to include metering equipment housed within the distribution boards provides visibility of where energy is used and potentially wasted.

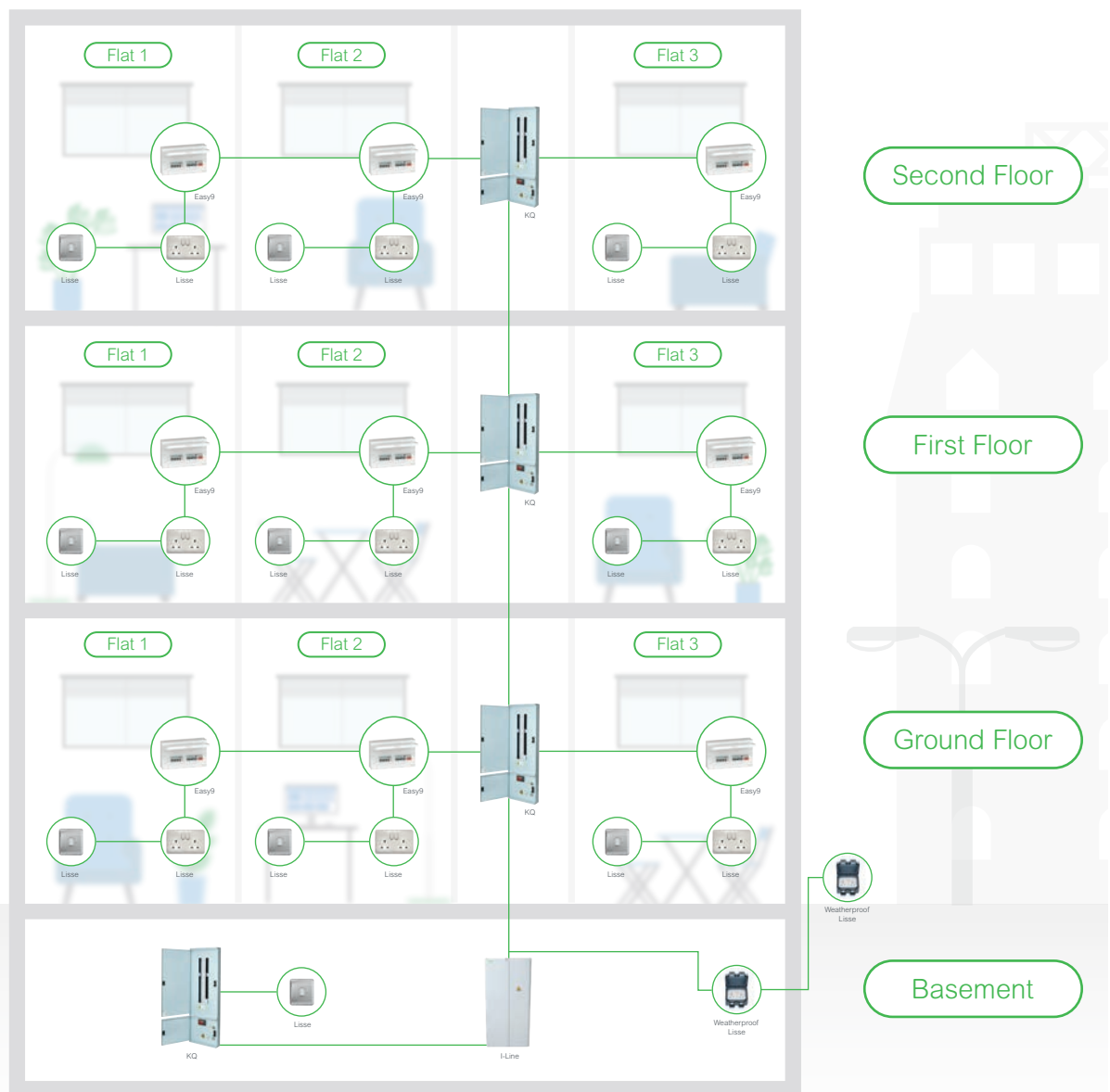
Now available as flexible and scalable solutions designed to meet the unique specifications for small and medium buildings, these products are perfect for electrical contractors involved with residential to light commercial installations, where reliability, safety, and value for money are critical.

Light Commercial: Grid to Plug

The below graphic outlines a basic example of how our full Light Commercial offering could be utilised within a small residential block of flats.

This is only one example, other uses could include:

- SMEs (Small and medium-sized enterprises)
- Residential buildings
- Schools
- Public buildings
- High-end property installations





I-Line Panel Boards

Available in three ratings (250A, 400A, and 630A) with different size options allowing single and triple pole devices to be selected as outgoing options. Suitable for both industrial and commercial installations and compliant with building regulations, the units are prefabricated and can be mounted quickly. The I-Line plug-on system makes it simple to install and fit correctly with reliable connections so that the board is ready for cabling. Safe circuit protection is standard on all I-Line products.



KQ Loadcentre Distribution Boards

The KQ product range is a well-established, 3-phase electrical distribution system that will cater for most installations. The KQ loadcentre with metering options features a modular and flexible approach that can be deployed as a single distribution board, or as multiple boards that make up a more complex system. It has a comprehensive range of devices that support any number of applications. It's quick and easy to install and equipped with safe circuit protection measures.



Metering

The PowerLogic PM5000 series power meters are the new benchmark in affordable, precision metering. It is the ideal fit for high-end cost management applications, providing the measurement capabilities needed to allocate energy usage, perform tenant metering and sub-billing, pin-point energy savings, optimise equipment efficiency and utilisation. As well as perform a high-level assessment of the power quality in an electrical network.



Easy9 Plus, Compact and Multirow Consumer Units

Available in a range of sizes for multiple applications: **Easy9+** is our premium designed consumer unit ideal for new builds. **Easy9 Compact** is designed for all standard household requirements and retrofit applications. **Easy9 Multirow** supports higher density circuits for larger residential buildings and properties, and allows for futureproofing the installation for additional protection, the versatile two or three row formats are able to support more devices over two or three rows.

Easy9 Plus, **Easy9 Compact** and **Easy9 Multirow** units are simple and easy to install, offering full circuit protection.



Lisse Wiring Devices

Lisse provides a fully comprehensive range of wiring devices offering the perfect choice. This includes white moulded, screwless decorative metal plate, and a fully IP66 weatherproof range. Not only designed to fully complement the environment with its subtle curved profile, Lisse wiring accessories incorporate many installer friendly and time saving features. With modular grid solutions for more demanding applications, Lisse is the ideal application for both residential and light commercial applications.

Panelboards
I-Line MCCB



I-Line MCCB panelboards Size 1 250A

Size 1 250/400A panelboards

- Single sided to give best possible space utilisation
- Incomers can be mounted at the top or bottom of the panelboard
- Ample cabling space
- I-Line Busbar System
- Degree of protection IP3X
- Hinged lift off cable way cover
- MCCB separation to form 3b Type 2 BS EN 61439-1
- Fully rated earth and neutral bars
- Simple ordering
- Removable top and bottom gland plates
- Busbar rating 50ka for 1s



Step 1 Select panelboard required

Description	Modules	Reference number 250A
6 triple pole outgoing ways	18	MP25061
12 triple pole outgoing ways	36	MP250121

Step 2 Select incoming device

250A	Reference number
250A 36kA triple pole MCCB	IL2503P36
100A automatic switch disconnecter (isolator)	IL1003PSW
160A automatic switch disconnecter (isolator)	IL1603PSW
250A automatic switch disconnecter (isolator)	IL2503PSW
225A plug on lug unit	SL225

Step 3 Select outgoing devices

Single pole MCCB's are phase dedicated.
To obtain correct reference add suffix as below example:
40A SP MCCB to fit L3 will be IL0401P253

MCCB				
16 - 100A 25kA	Single Pole (1 Mod)	Suffix		
		L1	L2	L3
16A	IL0161P25	1	2	3
20A	IL0201P25			
30A	IL0301P25			
40A	IL0401P25			
50A	IL0501P25			
63A	IL0631P25			
80A	IL0801P25			
100A	IL1001P25			

I-Line MCCB panelboards Size 1 250A

Step 3 Select outgoing devices cont.				
Triple pole (3 mods)			Additional tunnel terminals	Acceptable cable size
	25kA	36kA	Reference No.	
16A	IL0163P25	IL0163P36	LV429242	1.5-95mm
25A	IL0253P25	IL0253P36		
32A	IL0323P25	IL0323P36		
40A	IL0403P25	IL0403P36		
50A	IL0503P25	IL0503P36		
63A	IL0633P25	IL0633P36		
80A	IL0803P25	IL0803P36		
100A	IL1003P25	IL1003P36		
125A		IL1253P36	LV429259	95-185mm
160A		IL1603P36		
200A		IL2003P36		
250A		IL2503P36		
160A Electronic		IL1603P36ML2	LV429242	1.5-95mm
250A Electronic		IL2503P36ML2	LV429259	95-185mm

Step 4 Select metering

The I-Line Panelboard product range has been enhanced to include the facility to meter incoming and outgoing circuits. This enables contractors to easily and simply meet the requirements of Part L2a of the Building Regulations. These metering kits allow great flexibility in the choice of meter and also in the configuration of the boards.

Incoming metering

This metering kit is for the incoming supply to the board. It comprises an extension box that can be fitted to the top or the bottom of a standard board. This box contains a three-phase block current transformer, fuses for the voltage supply and a METSEPM5110 multi-function meter. Because the main incoming cables pass through this enclosure it is not suitable for a retrofit. The kit comes complete: no other parts are required to install this metering kit.



Reference number	Incoming	Metering	Note
MPME2501	250A	top/bottom metering extension box	200mm High

I-Line MCCB panelboards Size 1 250A



Step 5 Select accessories			
Panelboard		MP25061	MP250121
Blanking plates for all unused ways			
	Single pole	HNM1BL	HNM1BL
	Triple pole	HNM4BL	HNM4BL
Top / bottom extension box			
	226mm high	EXS91	EXS91
MCCB Incomer padlocking device			
	250A	29370	29370
Door lock			
	2 Spare keys	SEK33	SEK33



I-Line MCCB panelboards Size 1 400A

Size 1 400A panelboards

- Single sided to give best possible space utilisation
- Incomers can be mounted at the top or bottom of the panelboard
- Ample cabling space
- I-Line busbar
- Degree of protection IP3X
- Hinged lift off cable way cover
- MCCB separation to form 3b Type 2 BS EN 61439-1
- Fully rated earth and neutral bars
- Simple ordering
- Removable top and bottom gland plates
- Busbar rating 50ka for 1s

Step 1 Select panelboard required

Description	Modules	Reference number 400A
4 triple pole outgoing ways	12	MP40041
7 triple pole outgoing ways	21	MP40071
12 triple pole outgoing ways	36	MP400121

Step 2 Select incoming device

250A	Reference number
250A 36kA triple pole MCCB	IL2503P36
100A automatic switch disconnecter (isolator)	IL1003PSW
160A automatic switch disconnecter (isolator)	IL1603PSW
250A automatic switch disconnecter (isolator)	IL2503PSW
225A plug on lug unit	SL225
400A*	
400A 36kA triple pole MCCB	SLA3400
400A automatic switch disconnecter (isolator)	SLA3000M
*Trim, required when 250A incomer fitted	TKA4, TKA7, TKA12

Step 3 Select outgoing devices

Single pole MCCB's are phase dedicated.
To obtain correct reference add suffix as below example:
40A SP MCCB to fit L3 will be IL0401P253

MCCB				
16 - 100A 25kA	Single Pole (1 Mod)	Suffix		
		L1	L2	L3
16A	IL0161P25	1	2	3
20A	IL0201P25			
30A	IL0301P25			
40A	IL0401P25			
50A	IL0501P25			
63A	IL0631P25			
80A	IL0801P25			
100A	IL1001P25			

I-Line MCCB panelboards Size 1 400A

Step 3 Select outgoing devices cont.				
Triple pole (3 mods)			Additional tunnel terminals	Acceptable cable size
	25kA	36kA	Reference No.	
16A	IL0163P25	IL0163P36	LV429242	1.5-95mm
25A	IL0253P25	IL0253P36		
32A	IL0323P25	IL0323P36		
40A	IL0403P25	IL0403P36		
50A	IL0503P25	IL0503P36		
63A	IL0633P25	IL0633P36		
80A	IL0803P25	IL0803P36		
100A	IL1003P25	IL1003P36		
125A		IL1253P36	LV429259	95-185mm
160A		IL1603P36		
200A		IL2003P36		
250A		IL2503P36		
160A Electronic		IL1603P36ML2	LV429242	1.5-95mm
250A Electronic		IL2503P36ML2	LV429259	95-185mm

Step 4 Select metering

The I-Line Panelboard product range has been enhanced to include the facility to meter incoming and outgoing circuits. This enables contractors to easily and simply meet the requirements of Part L2a of the Building Regulations. These metering kits allow great flexibility in the choice of meter and also in the configuration of the boards.

Outgoing metering

A standard board can be adapted to meter the incoming supply and some or all of the outgoing circuits by the addition of three components. These components are:

1. Select metering kit

This contains a replacement wireway door with 96 sq cutouts for the number of outgoing ways of the board plus one. This additional cutout is to meter the incoming supply as required. Blanking plates are supplied for unused meter positions. One door kit per board.

Size 1 400A			Note
Reference number			
MPMK104	4 way I-Line metering kit	5 cut-outs	
MPMK107	7 way I-Line metering kit	8 cut-outs	
MPMK112	12 way I-Line metering kit	13 cut-outs	

* see page 17

2. Select metering CT set for each MCCB to be monitored

One kit for each circuit to be measured. The kit will comprise a three phase CT block, mounting plate and cable loom. The CT blocks fit to the breakers. The CT size and ratio matches the breaker.

Reference number		CT ratio
MPCT125	IL Frame breaker	125/5
MPCT250	IL Frame breaker	250/5
MPCT400	L frame breaker	400/5

3. Select PowerLogic meters for each circuit to be measured

Reference number	
METSEPM5100	PM5100 Meter, without communication, up to 15th H, 1DO 33 alarms
METSEPM5110	PM5110 Meter, modbus, up to 15th H, 1DO 33 alarms
METSEPM5111	PM5111 Meter, modbus, up to 15th H, 1DO 33 alarms, MID



I-Line MCCB panelboards Size 1 400A



Step 5 Select accessories			
Panelboard	MP40041	MP40071	MP400121
Blanking plates for all unused ways			
Single pole	HN1M1BL	HN1M1BL	HN1M1BL
Triple pole	HN1M4BL	HN1M4BL	HN1M4BL
Side extension box			
550mm wide	EXMS827	EXMS1170	EXMS1742
Top / bottom extension box			
379mm high	EXS151	EXS151	EXS151
MCCB Incomer padlocking device			
250A	29370	29370	29370
400A	HPALM	HPALM	HPALM
Door lock			
2 Spare keys	SEK33	SEK33	SEK33
Terminal shields x 2 See page 15			
Plug-on metering kit for incoming supply - occupies 4 modules			
* Digital, multi function meter	MP400kW	MP400kW	MP400kW
Weight in kg	44	74	100
Overall dimensions H x W x D	827x680x258	1170x680x258	1742x680x258
Fixing centres	533	876	1448

* A9MEM3255



I-Line MCCB panelboards Size 2 630A

Size 2 630A panelboards

- Degree of protection IP3X
- Door lock fitted as standard
- Ample cabling space
- I-Line busbar
- Removable neutral link
- Hinged lift off cable way covers
- MCCB separation to form 3b Type 2 BS EN 61439-1
- Fully rated earth and neutral bars
- Removable top and bottom gland plates
- Simple ordering
- Maximum outgoing 250A
- Busbar rating 50ka for 1s



Step 1 Select panelboard required

Description	Modules	Reference number 630A
6 triple pole outgoing ways	9+9	MP63062
10 triple pole outgoing ways	15+15	MP630102
14 triple pole outgoing ways	21+21	MP630142
18 triple pole outgoing ways	27+27	MP630182

Step 2 Select incoming device

	Reference number
250A 36kA triple pole MCCB	SLA3250
400A 36kA triple pole MCCB	SLA3400
400A automatic switch disconnecter (isolator)	SLA3000M
600A 50kA triple pole MCCB	PJA36060CU31A
600A automatic switch disconnecter (isolator)	PJA36000S60
630A main lugs kit	ML630

Step 3 Select outgoing devices

Single pole MCCB's are phase dedicated.
To obtain correct reference add suffix as below example:
40A SP MCCB to fit L3 will be IL0401P253

MCCB				
16 - 100A 25kA	Single Pole (1 Mod)	Suffix		
		L1	L2	L3
16A	IL0161P25	1	2	3
20A	IL0201P25			
30A	IL0301P25			
40A	IL0401P25			
50A	IL0501P25			
63A	IL0631P25			
80A	IL0801P25			
100A	IL1001P25			

I-Line MCCB panelboards Size 2 630A

Step 3 Select outgoing devices cont.				
Triple pole (3 mods)			Additional tunnel terminals	Acceptable cable size
	25kA	36kA	Reference No.	
16A	IL0163P25	IL0163P36	LV429242	1.5-95mm
25A	IL0253P25	IL0253P36		
32A	IL0323P25	IL0323P36		
40A	IL0403P25	IL0403P36		
50A	IL0503P25	IL0503P36		
63A	IL0633P25	IL0633P36		
80A	IL0803P25	IL0803P36		
100A	IL1003P25	IL1003P36		
125A		IL1253P36	LV429259	95-185mm
160A		IL1603P36		
200A		IL2003P36		
250A		IL2503P36		
160A Electronic		IL1603P36ML2	LV429242	1.5-95mm
250A Electronic		IL2503P36ML2	LV429259	95-185mm



I-Line MCCB panelboards

Size 2 630A

Step 4 Select metering



The I-Line Panelboard product range has being enhanced to include the facility to meter incoming and outgoing circuits. This enables contractors to easily and simply meet the requirements of Part L2a of the Building Regulations. These metering kits allow great flexibility in the choice of meter and also in the configuration of the boards.

A standard board can be adapted to meter the incoming supply and some or all of the outgoing circuits by the addition of three components.
These components are:

1. Select metering kit

This contains a replacement wireway door with 96 sq cutouts for the number of outgoing ways of the board plus one. This additional cutout is to meter the incoming supply as required. Blanking plates are supplied for unused meter positions. One door kit per board.

Size 2 630A Reference number		Note
MPMK206	6 way I-Line metering kit	7 cut-outs
MPMK210	10 way I-Line metering kit	11 cut-outs
MPMK214	14 way I-Line metering kit	15 cut-outs
MPMK218	18 way I-Line metering kit	19 Cut-outs

* see page 17

2. Select metering CT set for each MCCB to be monitored

One kit for each circuit to be measured. The kit will comprise a three phase CT block, mounting plate and cable loom. The CT blocks fit to the breakers. The CT size and ratio matches the breaker.



Reference number		CT ratio
MPCT125	IL Frame breaker	125/5
MPCT250	IL Frame breaker	250/5
MPCT400 *	L frame breaker	400/5
MPCT600 *	M & P frame breakers	600/5

* Standalone CT - Does not fasten directly to device

3. Select PowerLogic meters for each circuit to be measured



Reference number	
METSEPM5100	PM5100 Meter, without communication, up to 15th H, 1DO 33 alarms
METSEPM5110	PM5110 Meter, modbus, up to 15th H, 1DO 33 alarms
METSEPM5111	PM5111 Meter, modbus, up to 15th H, 1DO 33 alarms, MID

I-Line MCCB panelboards

Size 2 630A



Step 5 Select accessories					
Panelboard		MP63062	MP630102	MP630142	MP630182
Blanking plates for all unused ways					
	Single pole	HNМ1BL	HNМ1BL	HNМ1BL	HNМ1BL
	Triple pole	HNМ4BL	HNМ4BL	HNМ4BL	HNМ4BL
Side extension box	550mm wide	EXMS53	EXMS62	EXMS71	EXMS80
Top / bottom extension box	226mm high	EXS29	EXS29	EXS29	EXS29
Corner unit, to complete enclosure when top/bottom and side extension are both fitted					
		MSIL636	MSIL636	MSIL636	MSIL636
Door lock					
	2 Spare keys	SEK33	SEK33	SEK33	SEK33
Terminal shields x 2 See page 15					
Integral metering kit for incoming supply					
	* Digital, multi function meter				
	400A	400kW	400kW	400kW	400kW
	630A	630kW	630kW	630kW	630kW
Weight in kg		112	128	145	164
Overall dimensions H x W x D		1350x1100x258	1579x1100x258	1807x1100x258	2036x1100x258



I-Line MCCB panelboards

Panelboard accessories



Blanking plates

Suitable for all sizes of panelboard, blanking plates must be fitted in all unoccupied outgoing ways to maintain appropriate busbar shrouding.

Type	Product Solution	
Fixed surge arrester	1P+N	3P+N
iPRE1 12.5r 	A9L16632	A9L16634

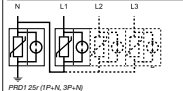


Diagram showing the installation of a blanking plate (PBD1 25r (1P+N, 3P+N)) in a panelboard. The diagram labels the busbar positions: N, L1, L2, and L3. The blanking plate is shown covering the unused busbar positions.

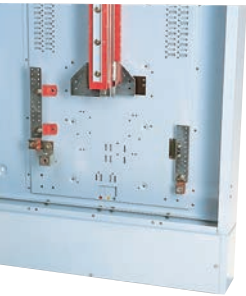


Side extension boxes

Supplied with hinged door, side extension boxes may be used to provide additional wiring space or fitting of control equipment.

Side extension boxes can be fitted to either side of the panelboard and may be coupled together to form larger units.

Box width
400A, 630A boards: 550mm.



Top/bottom extension boxes

Supplied with a flat front plate the extension box provides additional cable spreading space.

Box heights
250A: 226mm.
400A: 380mm.
630A: 226mm.

Corner units are available to 'square off' a board when a side and a top/bottom extension box are fitted.



Door lock

Panelboard Size 2 is supplied with a door lock as standard
For size 1 panelboard, field installable All Keys are identical

Reference number	
Set of 2 spare keys	SEK33

I-Line MCCB panelboards

Panelboard accessories

Termination bars

Solid brass terminal bars provide tunnel terminals. Main neutral and earth bars are pre-drilled to accept the termination bars indicated. Bars suitable for size 1 and 2.



Reference number	Number of ways	Conductor size
NE916	9	25
NE950	9	50
NE13150	13	150



MCCB locking devices

Provide facilities for padlocking MCCB's.

Frame	Reference number	Facility	Padlocks
IL	HPAFK	On/Off	1
SLA	HPALM	Off	1
PJA	44936	Off	1



I-Line MCCB panelboards MCCB accessories



Cable clamp terminals

Triple pole IL MCCB's are supplied with bolt connections. Field fitted terminals.

Reference number

16- 160A	LV429242 set of 3	1.5 - 95mm ²
200- 250A	LV429259 set of 3	95 - 185mm ²



Crimp cable lugs

Special lugs for fitting oversized cables to IL MCCB's

Reference number

LV429252 set of 3	120mm ²	Copper
LV429253 set of 3	150mm ²	Copper
LV429254 set of 3	185mm ²	Copper
LV429504 set of 3	150mm ²	Aluminium
LV429506 set of 3	185mm ²	Aluminium

Required for oversized cables only.



Terminal shields

	Reference number	Quantity
IL short (15mm)	LV429515	1
IL long (80mm)	LV429517X	1

Use short terminal shields with tunnel terminals.
Use long terminal shields with crimp terminals.

* No terminal shields available for PJA and SLA devices

Handle extension

For use in providing extra leverage when operating larger frame I-Line MCCB's.

	Reference number
PJA frame	46996

Terminal extension pads

3 plated copper pads to which crimp type lugs may be fastened (unshrouded).

	Reference number
IL frame	LV431563
PJA	PJATK3

The pads require an air gap of 25mm between them and adjacent MCCB's the use of an HNM1BL either side of the MCCB will provide the necessary spacing.
Standard terminal shields will not fit IL Frames when terminal extension pads are added.



I-Line MCCB panelboards

MCCB accessories



Shunt trip (ST)

Energisation of shunt trip coil will initiate MCCB tripping.

IL	Connection terminals accept wires up to 1.5mm ²
----	--

SL	Supplied with 1mm ² flying leads
----	---

Field installable.



Under voltage release (UVR)

The coil must be energised before the MCCB can be switched on.

IL	Connection terminals accept wires up to 1.5mm ²
----	--

SL	Supplied with 1mm ² flying leads
----	---

Field installable.



Auxiliary switches (aux)

Change over contacts indicate MCCB contact position.
For IL may be used as an alarm switch.

IL	Connection terminals accept wires up to 1.5mm ²
----	--

SL	Supplied with 1mm ² flying leads
----	---

Field installable.

Order references

Description	IL	SLA
Shunt trip 110/130V 50Hz	LV429386	–
Shunt trip 200/240V 50Hz	LV429387	–
Shunt trip 120/240V 50Hz	–	LA11021
Shunt trip 277/480V 50Hz	–	
Shunt trip 24V dc	LV429390	LA11027
Under voltage release 110/130V 50Hz	LV429406	
Under voltage release 200/240V 50Hz	LV429407	
Under voltage release 24V dc	LV429410	
Auxiliary switch 1 change over contact	LV29450	LA11212
Auxiliary switch 2 change over contact	LV29450 x 2	

Lug unit

To sub-feed power from, or into the busbar stack. Current rating of plug-on lug must be equal to or greater than the incoming protective device.

Reference number	Rating	Modules	Terminal capacity mm ²
SL225	225A	3	185
SL400	400A	4	300

I-Line MCCB panelboards Metering facilities

Metering facilities

The I-Line Panelboard product range has being enhanced to include the facility to meter incoming and outgoing circuits. This enables contractors to easily and simply meet the requirements of Part L2a of the Building Regulations. These metering kits allow great flexibility in the choice of meter and also in the configuration of the boards. The metering arrangement varies depending on the size of board.

For the Size 1 250A board there is an extension box which may be fitted to the top or bottom of a board to meter the incoming supply.

For Size 1 400A and Size 2 boards, components are provided to meter some or all outgoing ways and/or the incoming supply.

Currently most boards have incoming metering kits. These new kits may be used as well as, or instead of these existing arrangements.

Size 1 250A boards

This metering kit is for the incoming supply to the board. It comprises an extension box that can be fitted to the top or the bottom of a standard board. This box contains a three-phase block current transformer, fuses for the voltage supply and a METSEPM5110 multi-function meter. Because the main incoming cables pass through this enclosure it is not suitable for a retrofit. The kit comes complete: no other parts are required to install this metering kit.

Size 1 (250A)
Reference number MPME2501 250A top/bottom metering extension box

Size 1 (400A), Size 2 and Panelboards
A standard board can be adapted to meter the incoming supply and some, or all of the outgoing circuits by the addition of three components.

- These components are
- 1. Metering kit. This contains a replacement wireway door with 96 sq cutouts for the number of outgoing ways of the board plus one. This additional cutout is to meter the incoming supply as required. Blanking plates are supplied for unused meter positions. One door kit per board.
 - 2. Current transformer kit. One kit for each circuit to be measured. The kit will comprise a three phase CT block, mounting plate and cable loom. The CT blocks fit to the breakers. The CT size and ratio matches the breaker.
 - 3. The multi-function meter for each circuit to be measured. The meter is selected from the Schneider Electric Power Meter range. See below for details.

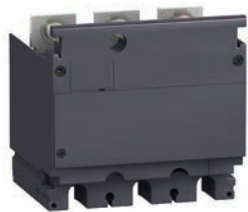
Size 1 400A		
Reference number		No. of Meters
MPMK104	4 way I-Line metering kit	5
MPMK107	7 way I-Line metering kit	8
MPMK112	12 way I-Line metering kit	13

Size 2 630A		
Reference number		No. of Meters
MPMK206	6 way I-Line metering kit	7
MPMK210	10 way I-Line metering kit	11
MPMK214	14 way I-Line metering kit	15
MPMK218	18 way I-Line metering kit	19



I-Line MCCB panelboards

Metering facilities



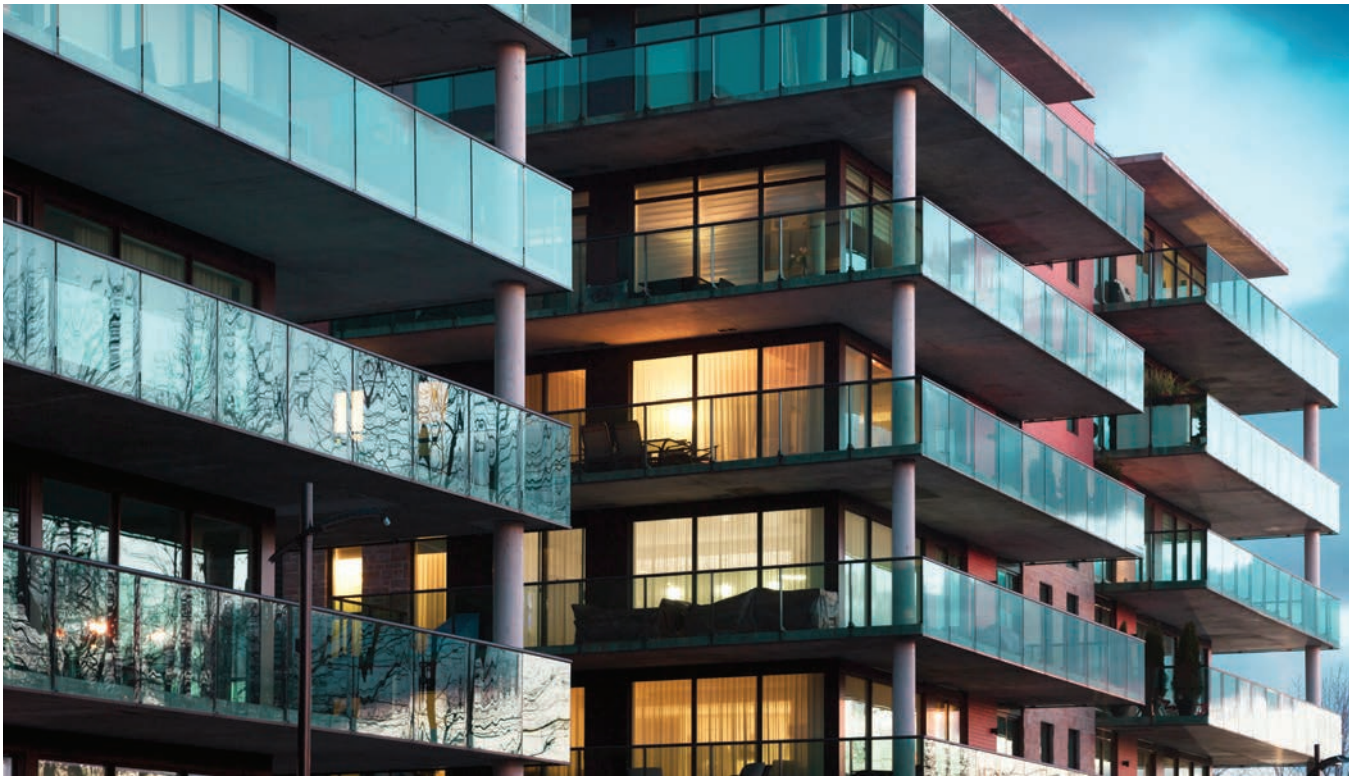
Outgoing Metering CT set for each MCCB to be monitored		
Reference number		CT ratio
MPCT125	IL frame breaker	125/5
MPCT250	IL frame breaker	250/5
MPCT400	L frame breaker	400/5
MPCT600	M & P frame breakers	600/5

* Standalone CT - Does not fasten directly to device

Blank metering plates	
Reference number	
LVS03908	96sq blanking plate



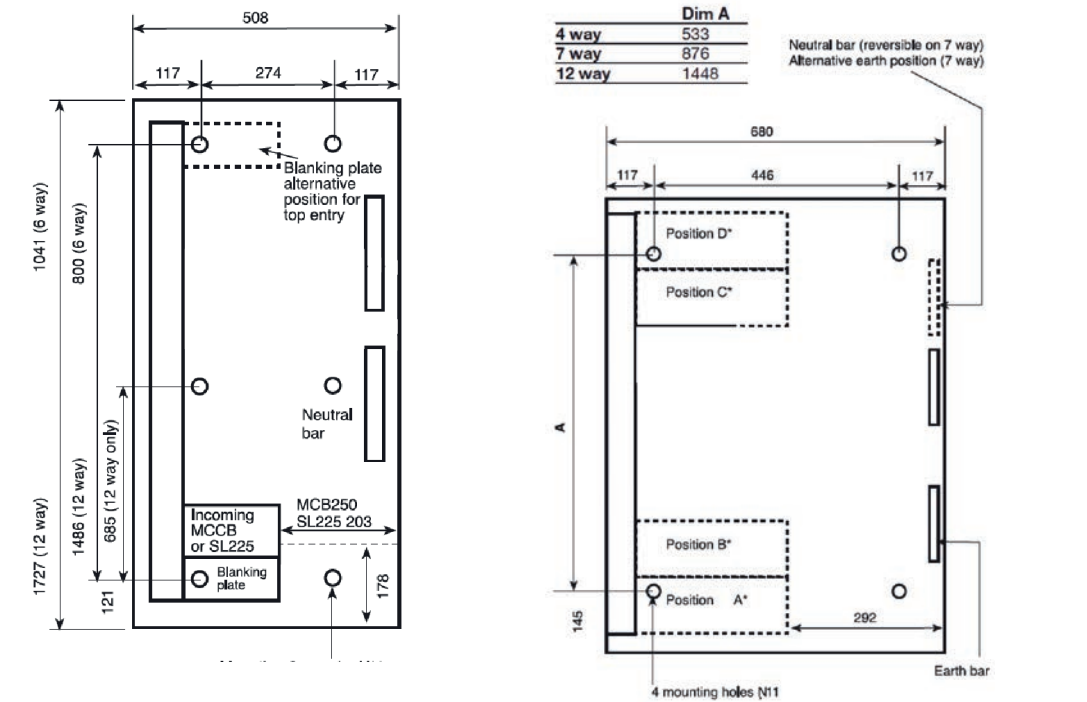
PowerLogic meters	
Reference number	
METSEPM5100	PM5100 Meter, without communication, up to 15th H, 1DO 33 alarms
METSEPM5110	PM5110 Meter, modbus, up to 15th H, 1DO 33 alarms
METSEPM5111	PM5111 Meter, modbus, up to 15th H, 1DO 33 alarms, MID



Panelboards - I-Line MCCB panelboards Size 1

Earth and Neutral bars	
Earth bonding connection	M6 bolt
Earth bar connection holes	14x6.5Ø, 2x8.5Ø, 3x10.5Ø, 3x3.9Ø
Main neutral connection	
Neutral bar connection holes	

Size 1 250A Depth: 184	Size 1 400A Depth :258
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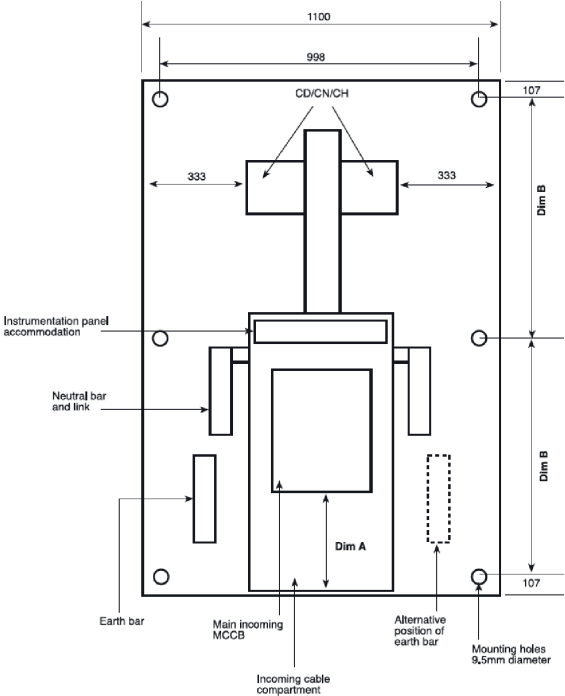


Panelboards - I-Line MCCB panelboards Size 2

Earth and Neutral bars

Earth bonding connection	M10 bolt
Earth bar connection holes	
6 way & 10 way boards	10 x 7.1Ø, 3 x 3.7Ø
14 way & 18 way boards	20 x 7.1Ø, 1 x 11.5Ø, 6 x 3.7Ø
Main neutral connection	M12 bolt
Neutral bar connection holes	14 x 8Ø, 10 x 6Ø, 8 x 3.9Ø

Size 2 630A Depth: 258



Module ways	Fixing centres Dim B	Height
6	566	1350
10	681	1579
14	795	1807
18	909	2036

	Dim A
SLA	330
PJA	295
Lugs	568

Technical detail

I-Line Reference		Software Design Packages
Material	Description	Device Description
IL0161P251	I-Line 16A 1P 25kA NSX MCCB (L1)	NSX100N 16A 1P TMD
IL0161P252	I-Line 16A 1P 25kA NSX MCCB (L2)	NSX100N 16A 1P TMD
IL0161P253	I-Line 16A 1P 25kA NSX MCCB (L3)	NSX100N 16A 1P TMD
IL0163P25	I-Line 16A 3P 25kA NSX MCCB	NSX100B 16A 3P TMD
IL0163P36	I-Line 16A 3P 36kA NSX MCCB	NSX100F 16A 3P TMD
IL0201P251	I-Line 20A1P 25kA NSX MCCB (L1)	NSX100N 20A 1P TMD
IL0201P252	I-Line 20A1P 25kA NSX MCCB (L2)	NSX100N 20A 1P TMD
IL0201P253	I-Line 20A1P 25kA NSX MCCB (L3)	NSX100N 20A 1P TMD
IL0253P25	I-Line 25A 3P 25kA NSX MCCB	NSX100B 25A 3P TMD
IL0253P36	I-Line 25A 3P 36kA NSX MCCB	NSX100F 25A 3P TMD
IL0301P251	I-Line 30A1P 25kA NSX MCCB (L1)	NSX100N 30A 1P TMD
IL0301P252	I-Line 30A1P 25kA NSX MCCB (L2)	NSX100N 30A 1P TMD
IL0301P253	I-Line 30A1P 25kA NSX MCCB (L3)	NSX100N 30A 1P TMD
IL0323P25	I-Line 32A 3P 25kA NSX MCCB	NSX100B 32A 3P TMD
IL0323P36	I-Line 32A 3P 36kA NSX MCCB	NSX100F 32A 3P TMD
IL0401P251	I-Line 40A1P 25kA NSX MCCB (L1)	NSX100N 40A 1P TMD
IL0401P252	I-Line 40A1P 25kA NSX MCCB (L2)	NSX100N 40A 1P TMD
IL0401P253	I-Line 40A1P 25kA NSX MCCB (L3)	NSX100N 40A 1P TMD
IL0403P25	I-Line 40A 3P 25kA NSX MCCB	NSX100B 40A 3P TMD
IL0403P36	I-Line 40A 3P 36kA NSX MCCB	NSX100F 40A 3P TMD
IL0501P251	I-Line 50A1P 25kA NSX MCCB (L1)	NSX100N 50A 1P TMD
IL0501P252	I-Line 50A1P 25kA NSX MCCB (L2)	NSX100N 50A 1P TMD
IL0501P253	I-Line 50A1P 25kA NSX MCCB (L3)	NSX100N 50A 1P TMD
IL0503P25	I-Line 50A 3P 25kA NSX MCCB	NSX100B 50A 3P TMD
IL0503P36	I-Line 50A 3P 36kA NSX MCCB	NSX100F 50A 3P TMD
IL0631P251	I-Line 63A1P 25kA NSX MCCB (L1)	NSX100N 63A 1P TMD
IL0631P252	I-Line 63A1P 25kA NSX MCCB (L2)	NSX100N 63A 1P TMD
IL0631P253	I-Line 63A1P 25kA NSX MCCB (L3)	NSX100N 63A 1P TMD
IL0633P25	I-Line 63A 3P 25kA NSX MCCB	NSX100B 63A 3P TMD
IL0633P36	I-Line 63A 3P 36kA NSX MCCB	NSX100F 63A 3P TMD
IL0801P251	I-Line 80A1P 25kA NSX MCCB (L1)	NSX100N 80A 1P TMD
IL0801P252	I-Line 80A1P 25kA NSX MCCB (L2)	NSX100N 80A 1P TMD
IL0801P253	I-Line 80A1P 25kA NSX MCCB (L3)	NSX100N 80A 1P TMD
IL0803P25	I-Line 80A 3P 25kA NSX MCCB	NSX100B 80A 3P TMD
IL0803P36	I-Line 80A 3P 36kA NSX MCCB	NSX100F 80A 3P TMD
IL1001P251	I-Line 100A1P 25kA NSX MCCB (L1)	NSX100N 100A 1P TMD
IL1001P252	I-Line 100A1P 25kA NSX MCCB (L2)	NSX100N 100A 1P TMD
IL1001P253	I-Line 100A1P 25kA NSX MCCB (L3)	NSX100N 100A 1P TMD
IL1003P25	I-Line 100A 3P 25kA NSX MCCB	NSX100B 100A 3P TMD
IL1003P36	I-Line 100A 3P 36kA NSX MCCB	NSX100F 100A 3P TMD
IL1253P36	I-Line 125A 3P 36kA NSX MCCB	NSX160F 125A 3P TMD
IL1603P36	I-Line 160A 3P 36kA NSX MCCB	NSX100F 160A 3P TMD
IL1603P36ML2	I-Line 160A 3P 36kA NSX MCCB +ML2	NSX100F 160A 3P ML2.2
IL2003P36	I-Line 200A 3P 36kA NSX MCCB	NSX250F 200A 3P TMD
IL2503P36	I-Line 250A 3P 36kA NSX MCCB	NSX250F 250A 3P TMD
IL2503P36ML2	I-Line 250A 3P 36kA NSX MCCB +ML2	NSX250F 250A 3P ML2.2

Technical detail

I-Line Reference		Power Connections		
Material	Description	Fixing	Type	Torque
IL0161P251	I-Line 16A 1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0161P252	I-Line 16A 1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0161P253	I-Line 16A 1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0163P25	I-Line 16A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0163P36	I-Line 16A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0201P251	I-Line 20A1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0201P252	I-Line 20A1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0201P253	I-Line 20A1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0253P25	I-Line 25A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0253P36	I-Line 25A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0301P251	I-Line 30A1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0301P252	I-Line 30A1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0301P253	I-Line 30A1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0323P25	I-Line 32A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0323P36	I-Line 32A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0401P251	I-Line 40A1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0401P252	I-Line 40A1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0401P253	I-Line 40A1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0403P25	I-Line 40A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0403P36	I-Line 40A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0501P251	I-Line 50A1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0501P252	I-Line 50A1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0501P253	I-Line 50A1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0503P25	I-Line 50A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0503P36	I-Line 50A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0631P251	I-Line 63A1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0631P252	I-Line 63A1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0631P253	I-Line 63A1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0633P25	I-Line 63A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0633P36	I-Line 63A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0801P251	I-Line 80A1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0801P252	I-Line 80A1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0801P253	I-Line 80A1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0803P25	I-Line 80A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL0803P36	I-Line 80A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL1001P251	I-Line 100A1P 25kA NSX MCCB (L1)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL1001P252	I-Line 100A1P 25kA NSX MCCB (L2)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL1001P253	I-Line 100A1P 25kA NSX MCCB (L3)	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL1003P25	I-Line 100A 3P 25kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL1003P36	I-Line 100A 3P 36kA NSX MCCB	M6 x 20	PZ2/PZ3	10 + /-1 Nm
IL1253P36	I-Line 125A 3P 36kA NSX MCCB	M8 x 20	6mm Hex Key	15 + /-1.5 Nm
IL1603P36	I-Line 160A 3P 36kA NSX MCCB	M8 x 20	6mm Hex Key	15 + /-1.5 Nm
IL1603P36ML2	I-Line 160A 3P 36kA NSX MCCB +ML2	M8 x 20	6mm Hex Key	15 + /-1.5 Nm
IL2003P36	I-Line 200A 3P 36kA NSX MCCB	M8 x 20	6mm Hex Key	15 + /-1.5 Nm
IL2503P36	I-Line 250A 3P 36kA NSX MCCB	M8 x 20	6mm Hex Key	15 + /-1.5 Nm
IL2503P36ML2	I-Line 250A 3P 36kA NSX MCCB +ML2	M8 x 20	6mm Hex Key	15 + /-1.5 Nm

Technical detail

I-Line Reference		Zs Value		
Material	Description	Setting (Im@ 0.4s)	Current	Upper Limit Zs (ohms)
IL0161P251	I-Line 16A 1P 25kA NSX MCCB (L1)	Fixed	190	0.96
IL0161P252	I-Line 16A 1P 25kA NSX MCCB (L2)	Fixed	190	0.96
IL0161P253	I-Line 16A 1P 25kA NSX MCCB (L3)	Fixed	190	0.96
IL0163P25	I-Line 16A 3P 25kA NSX MCCB	Fixed	190	0.96
IL0163P36	I-Line 16A 3P 36kA NSX MCCB	Fixed	190	0.96
IL0201P251	I-Line 20A1P 25kA NSX MCCB (L1)	Fixed	190	0.96
IL0201P252	I-Line 20A1P 25kA NSX MCCB (L2)	Fixed	190	0.96
IL0201P253	I-Line 20A1P 25kA NSX MCCB (L3)	Fixed	190	0.96
IL0253P25	I-Line 25A 3P 25kA NSX MCCB	Fixed	300	0.61
IL0253P36	I-Line 25A 3P 36kA NSX MCCB	Fixed	300	0.61
IL0301P251	I-Line 30A1P 25kA NSX MCCB (L1)	Fixed	300	0.61
IL0301P252	I-Line 30A1P 25kA NSX MCCB (L2)	Fixed	300	0.61
IL0301P253	I-Line 30A1P 25kA NSX MCCB (L3)	Fixed	300	0.61
IL0323P25	I-Line 32A 3P 25kA NSX MCCB	Fixed	400	0.46
IL0323P36	I-Line 32A 3P 36kA NSX MCCB	Fixed	400	0.46
IL0401P251	I-Line 40A1P 25kA NSX MCCB (L1)	Fixed	500	0.36
IL0401P252	I-Line 40A1P 25kA NSX MCCB (L2)	Fixed	500	0.36
IL0401P253	I-Line 40A1P 25kA NSX MCCB (L3)	Fixed	500	0.36
IL0403P25	I-Line 40A 3P 25kA NSX MCCB	Fixed	500	0.36
IL0403P36	I-Line 40A 3P 36kA NSX MCCB	Fixed	500	0.36
IL0501P251	I-Line 50A1P 25kA NSX MCCB (L1)	Fixed	500	0.36
IL0501P252	I-Line 50A1P 25kA NSX MCCB (L2)	Fixed	500	0.36
IL0501P253	I-Line 50A1P 25kA NSX MCCB (L3)	Fixed	500	0.36
IL0503P25	I-Line 50A 3P 25kA NSX MCCB	Fixed	500	0.36
IL0503P36	I-Line 50A 3P 36kA NSX MCCB	Fixed	500	0.36
IL0631P251	I-Line 63A1P 25kA NSX MCCB (L1)	Fixed	500	0.36
IL0631P252	I-Line 63A1P 25kA NSX MCCB (L2)	Fixed	500	0.36
IL0631P253	I-Line 63A1P 25kA NSX MCCB (L3)	Fixed	500	0.36
IL0633P25	I-Line 63A 3P 25kA NSX MCCB	Fixed	500	0.36
IL0633P36	I-Line 63A 3P 36kA NSX MCCB	Fixed	500	0.36
IL0801P251	I-Line 80A1P 25kA NSX MCCB (L1)	Fixed	640	0.28
IL0801P252	I-Line 80A1P 25kA NSX MCCB (L2)	Fixed	640	0.28
IL0801P253	I-Line 80A1P 25kA NSX MCCB (L3)	Fixed	640	0.28
IL0803P25	I-Line 80A 3P 25kA NSX MCCB	Fixed	640	0.28
IL0803P36	I-Line 80A 3P 36kA NSX MCCB	Fixed	640	0.28
IL1001P251	I-Line 100A1P 25kA NSX MCCB (L1)	Fixed	800	0.23
IL1001P252	I-Line 100A1P 25kA NSX MCCB (L2)	Fixed	800	0.23
IL1001P253	I-Line 100A1P 25kA NSX MCCB (L3)	Fixed	800	0.23
IL1003P25	I-Line 100A 3P 25kA NSX MCCB	Fixed	800	0.23
IL1003P36	I-Line 100A 3P 36kA NSX MCCB	Fixed	800	0.23
IL1253P36	I-Line 125A 3P 36kA NSX MCCB	Fixed	1250	0.146
IL1603P36	I-Line 160A 3P 36kA NSX MCCB	Fixed	1250	0.146
IL1603P36ML2	I-Line 160A 3P 36kA NSX MCCB +ML2	1.5 to 10 x In	95 - 1600	2.10 - 0.12*
IL2003P36	I-Line 200A 3P 36kA NSX MCCB	5 to 10 x In	1000 - 2000	0.182 - 0.091*
IL2503P36	I-Line 250A 3P 36kA NSX MCCB	5 to 10 x In	1250 - 2500	0.146 - 0.073*
IL2503P36ML2	I-Line 250A 3P 36kA NSX MCCB +ML2	1.5 to 10 x In	150 - 2500	1.32 - 0.079*

* Refer to SE Website for full list of values
 Rated Voltage to earth with Cmin (230Vas x 0.95) = 218.5V

CD and CN MCCB Legacy Offers

Single Pole	
Part No.	Description
CDXAE12016A	16A 1P 25kA CDXAE plug-on L1
CDXAE12016B	16A 1P 25kA CDXAE plug-on L2
CDXAE12016C	16A 1P 25kA CDXAE plug-on L3
CDXAE12020A	20A 1P 25kA CDXAE plug-on L1
CDXAE12020B	20A 1P 25kA CDXAE plug-on L2
CDXAE12020C	20A 1P 25kA CDXAE plug-on L3
CDXAE12030A	30A 1P 25kA CDXAE plug-on L1
CDXAE12030B	30A 1P 25kA CDXAE plug-on L2
CDXAE12030C	30A 1P 25kA CDXAE plug-on L3
CDXAE12040A	40A 1P 25kA CDXAE plug-on L1
CDXAE12040B	40A 1P 25kA CDXAE plug-on L2
CDXAE12040C	40A 1P 25kA CDXAE plug-on L3
CDXAE12050A	50A 1P 25kA CDXAE plug-on L1
CDXAE12050B	50A 1P 25kA CDXAE plug-on L2
CDXAE12050C	50A 1P 25kA CDXAE plug-on L3
CDXAE12063A	63A 1P 25kA CDXAE plug-on L1
CDXAE12063B	63A 1P 25kA CDXAE plug-on L2
CDXAE12063C	63A 1P 25kA CDXAE plug-on L3
CDXAE12080A	80A 1P 25kA CDXAE plug-on L1
CDXAE12080B	80A 1P 25kA CDXAE plug-on L2
CDXAE12080C	80A 1P 25kA CDXAE plug-on L3
CDXAE12100A	100A 1P 25kA CDXAE plug-on L1
CDXAE12100B	100A 1P 25kA CDXAE plug-on L2
CDXAE12100C	100A 1P 25kA CDXAE plug-on L3

New IL MCCB Offers

Single Pole	
Part No.	Description
IL0161P251	I-Line 16A 1P 25kA NSX MCCB (L1)
IL0161P252	I-Line 16A 1P 25kA NSX MCCB (L2)
IL0161P253	I-Line 16A 1P 25kA NSX MCCB (L3)
IL0201P251	I-Line 20A1P 25kA NSX MCCB (L1)
IL0201P252	I-Line 20A1P 25kA NSX MCCB (L2)
IL0201P253	I-Line 20A1P 25kA NSX MCCB (L3)
IL0301P251	I-Line 30A1P 25kA NSX MCCB (L1)
IL0301P252	I-Line 30A1P 25kA NSX MCCB (L2)
IL0301P253	I-Line 30A1P 25kA NSX MCCB (L3)
IL0401P251	I-Line 40A1P 25kA NSX MCCB (L1)
IL0401P252	I-Line 40A1P 25kA NSX MCCB (L2)
IL0401P253	I-Line 40A1P 25kA NSX MCCB (L3)
IL0501P251	I-Line 50A1P 25kA NSX MCCB (L1)
IL0501P252	I-Line 50A1P 25kA NSX MCCB (L2)
IL0501P253	I-Line 50A1P 25kA NSX MCCB (L3)
IL0631P251	I-Line 63A1P 25kA NSX MCCB (L1)
IL0631P252	I-Line 63A1P 25kA NSX MCCB (L2)
IL0631P253	I-Line 63A1P 25kA NSX MCCB (L3)
IL0801P251	I-Line 80A1P 25kA NSX MCCB (L1)
IL0801P252	I-Line 80A1P 25kA NSX MCCB (L2)
IL0801P253	I-Line 80A1P 25kA NSX MCCB (L3)
IL1001P251	I-Line 100A1P 25kA NSX MCCB (L1)
IL1001P252	I-Line 100A1P 25kA NSX MCCB (L2)
IL1001P253	I-Line 100A1P 25kA NSX MCCB (L3)



CD and CN MCCB Legacy Offers

New IL MCCB Offers

Single Pole		Single Pole	
Triple Pole 25kA		Triple Pole 25kA	
Part No.	Description	Part No.	Description
CDXAE34016	16A 3P 25kA CDXAE plug-on MCCB	IL0163P25	I-Line 16A 3P 25kA NSX MCCB
CDXAE34025	25A 3P 25kA CDXAE plug-on MCCB	IL0253P25	I-Line 25A 3P 25kA NSX MCCB
CDXAE34032	32A 3P 25kA CDXAE plug-on MCCB	IL0323P25	I-Line 32A 3P 25kA NSX MCCB
CDXAE34040	40A 3P 25kA CDXAE plug-on MCCB	IL0403P25	I-Line 40A 3P 25kA NSX MCCB
CDXAE34050	50A 3P 25kA CDXAE plug-on MCCB	IL0503P25	I-Line 50A 3P 25kA NSX MCCB
CDXAE34063	63A 3P 25kA CDXAE plug-on MCCB	IL0633P25	I-Line 63A 3P 25kA NSX MCCB
CDXAE34080	80A 3P 25kA CDXAE plug-on MCCB	IL0803P25	I-Line 80A 3P 25kA NSX MCCB
CDXAE34100	100A 3P 25kA CDXAE plug-on MCCB	IL1003P25	I-Line 100A 3P 25kA NSX MCCB
Triple Pole 36kA		Triple Pole 36kA	
Part No.	Description	Part No.	Description
CNXAE34016	16A 3P 36kA CNXAE plug-on MCCB	IL0163P36	I-Line 16A 3P 36kA NSX MCCB
CNXAE34025	25A 3P 36kA CNXAE plug-on MCCB	IL0253P36	I-Line 25A 3P 36kA NSX MCCB
CNXAE34032	32A 3P 36kA CNXAE plug-on MCCB	IL0323P36	I-Line 32A 3P 36kA NSX MCCB
CNXAE34040	40A 3P 36kA CNXAE plug-on MCCB	IL0403P36	I-Line 40A 3P 36kA NSX MCCB
CNXAE34050	50A 3P 36kA CNXAE plug-on MCCB	IL0503P36	I-Line 50A 3P 36kA NSX MCCB
CNXAE34063	63A 3P 36kA CNXAE plug-on MCCB	IL0633P36	I-Line 63A 3P 36kA NSX MCCB
CNXAE34080	80A 3P 36kA CNXAE plug-on MCCB	IL0803P36	I-Line 80A 3P 36kA NSX MCCB
CNXAE34100	100A 3P 36kA CNXAE plug-on MCCB	IL1003P36	I-Line 100A 3P 36kA NSX MCCB
CNXAE34125	125A 3P 36kA CNXAE plug-on MCCB	IL1253P36	I-Line 125A 3P 36kA NSX MCCB
CNXAE34160	160A 3P 36kA CNXAE plug-on MCCB	IL1603P36	I-Line 160A 3P 36kA NSX MCCB
CNXAE34200	200A 3P 36kA CNXAE plug-on MCCB	IL2003P36	I-Line 200A 3P 36kA NSX MCCB
CNXAE34250	250A 3P 36kA plug-on MCCB	IL2503P36	I-Line 250A 3P 36kA NSX MCCB
CNXAE34160E20	160A 3P 36kA CNXAE electronic MCCB	IL1603P36ML2	I-Line 160A 3P 36kA NSX MCCB + Micrologic 2.2 trip unit
CNXAE34250E20	250A 3P 36kA CNXAE electronic MCCB	IL2503P36ML2	I-Line 250A 3P 36kA NSX MCCB + Micrologic 2.2 trip unit
Isolators		Isolators	
Part No.	Description	Part No.	Description
CNXAE34000S10	100A 3P Switch Disconnecter	IL1003PSW	I-Line 100A 3P Switch Disconnecter
CNXAE34000S15	150A 3P Switch Disconnecter	IL1603PSW	I-Line 160A 3P Switch Disconnecter
CNXAE34000S25	250A 3P Switch Disconnecter	IL2503PSW	I-Line 250A 3P Switch Disconnecter



KQ Loadcentre

Distribution boards



Plug-on Circuit Protection unique to Schneider Electric

- Plug-On breaker connections are designed so that under short circuit conditions, the magnetic forces developed push the jaws together, gripping the busbar more firmly
- No wiring connections need to be made to the busbars as the connectors form an integral part of the circuit breakers
- MCB's up to 63a plug onto the busbar stack
- Plug-On devices help reduce installation time
- Simple to add or retrospectively change outgoing devices
- Boards are supplied complete and ready to install. Simply mount to the wall and fit the required MCBs. The board is then ready for cabling
- Plug-on devices ensure reliable connections
- Quality - busbar systems are certified and the unique mounting system ensures devices cannot be incorrectly fitted
- Proven experience - The KQ distribution boards have been used extensively across commercial applications.

KQ Loadcentre distribution boards

Circuit protection

Features:

- Plug on technology
- Enhanced incoming section
- Shrouded neutral terminal bar
- Modular enclosure sizes
- IP2XB encapsulated busbar
- Control devices
- Removable gland plates
- Split earth & neutral bars
- 25mm cables accepted
- Integral cable way
- Increased enclosure size



Benefits:

- 50% fewer connections, reliable connections
- Time saving on installation
- Additional safety feature
- Join together top/bottom or side/side
- Safety feature – throughout offer
- Can be fitted in any spare outgoing ways
- Ease of installation (plain / knockouts)
- Easier installation and cable zoning
- Earth & neutral termination points
- Easier wiring on control devices
- More wiring space

KQ features

- **Fully retrofittable**
Devices will fit older KQ boards without modification
- **Class 2 front face**
Double insulated front cover – IP40
- **VisiTrip**
Visible indication of tripped position
- **VisiSafe**
Withstand of 6kV impulse
Green indication strip – contacts separated by required distance

- **Breaking capacity**
Domestic or similar / BS EN 60898 / 10kA
- **Shuttered terminals**
IP 20 finger safe terminals with insulated shutters on all KQ devices



KQ Loadcentre - single phase A type distribution boards - 125A

- Manufactured and tested to BS EN 61439-3
- Maximum busbar rating 125A
- Voltage rating 230/240V AC
- External IP3X protection to BS EN 60529
- Internal IP2XB protection to BS EN 60529 provided by permanent, non removable, factory fitted barriers
- Shielded neutral bars
- Cable knockouts on all sides for speed of installation
- Earth bar capacity 25mm²
- Neutral bar capacity 25mm²
- Wide range of bolt-on incomers, Plug-On outgoers
- All A boards accept DIN control products e.g. contactors, time clocks, in any unused outgoing way without adaptation

Standard type (excluding incomers)



SE125A12

Reference number	Number of SP ways
SE125A6	6
SE125A8	8
SE125A12	12
SE125A16	16
SE125A24	24

Split meter board (including incomers)



SEA14S14

Reference number	Number of ways	
	Lighting	Power
SEA10S10 *	10	10
SEA14S14 *	14	14

The split metering board is supplied with 2 x 63A A9MEM2105 meters, an overall switch disconnecter and individual 50A 2P Miniature Circuit Breakers for lighting and power. Meters are direct connected with pulse output.

*Max Load per row 50A.

Type A KQ Loadcentre+ DIN incoming devices



SE125SW2



SED63032

Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
SE125L2	Terminal block	125A	2	–	50
SE125SW2	Switch disconnector	125A	2	BS EN 60947-3	50
SED63032	RCCB	63A, 30mA	2	BS EN 61008	35
SED63102	RCCB	63A, 100mA	2	BS EN 61008	35
SED63302	RCCB	63A, 300mA	2	BS EN 61008	35
SED100032	RCCB	100A, 30mA	2	BS EN 61008	50
SED100102	RCCB	100A, 100mA	2	BS EN 61008	50

125A A board accessories



SEAE16



SE1100L



SEPLMCB



SEPLMCB



SEPL

Reference number	Device type
SEK	Barrel lock and 2 keys new square door catch
SEDNBP3	Blanking plate (3 poles)
SEPLMCB	MCB padlock attachment (pk 3)
SEPLRCBO	RCBO padlock attachment (pk 10)
SEPL	Padlock
SEAE16	16 SP way DIN module enclosure (W489 x H300 x D117mm) includes Earth bar.
SE1100L	100A lug unit single pole
SESDC	Replacement door catch
SEDN25BP3	Blanking plate 25 x 3

KQ Loadcentre - three phase B type distribution boards - 250A

- Manufactured and tested to BS EN 61439-3
- Maximum busbar rating 250A
- Voltage Rating 400/415V AC
- External IP3X protection to BS EN 60529
- IP2XB finger safe with door and cover removed to BS EN 60529, provided by permanent, non removable, factory fitted barriers
- Fully shielded neutral bars
- Earth and neutral bar cable capacity 25mm² M8 earth bar stud
- All incoming connections are the same length i.e. 4 pole configuration
- Range of integral incomers for all applications including lugs, switches and RCCB's
- Outgoing MCB's available up to 63A B, C or D curves
- 18mm wide RCBO.
- Plug-On outgoingers for speed of installation and reliable connections
- All B boards accept DIN control products (timers, contactors) in any unused outgoing way without adaptation
- Control wiring cable way integrated to moulding

Standard type (excluding incomers)



SE18B250

Reference number	Number of TP ways
SE12B250	4
SE18B250	6
SE24B250	8
SE36B250	12
SE48B250	16
SE54B250	18
SE72B250	24

Split load (excluding incomers)



SE18B250
+
SEJK
+
SE18B250

Reference number	Number of TP ways		Reference number	Number of TP ways
SE12B250	4	}	SE12B250	4
SE18B250	6		SE18B250	6
SE24B250	8		SE24B250	8
SE36B250	12		SE36B250	12
SE48B250	16		SE48B250	16
SE54B250	18		SE54B250	18
SE72B250	24		SE72B250	24

Split load joining kit for mechanical connection SEJK.
63A tapoff to feed protected board (including joining kit) SE63SLK.

Extra service units 125A (combination of a standard board and DIN rail enclosure)



SE12B2D

Reference number	Number of TP busbar ways		Reference number	Number of rows	Number of modules
SE12B250	4	}	SE17BES	1	17
SE18B250	6		SE12B2D	2	34
SE24B250	8		SE18B2D	2	34
SE36B250	12		SE36B3D	3	51
SE48B250	16		SE54B4D	4	68
SE54B250	18				
SE72B250	24				

Extra service units are designed for application using numerous control products and RCCB's.

These units provide a professional finish while economising on ease and speed of installation.

Split metering board 125A



SEB36S24125

Reference number	Number of TP ways		Rating A
	Section 1	Section 2	
SEB36S24125	14	8	125
SEB42S18125	16	6	125
SEB48S12125	18	4	125

2 x A9MEM3255 MID approved meters with pulsed and modbus outputs.

Factory fitted incoming 3P+N switch disconnector.

Split metering board 250A



SEB36S24250

Reference number	Number of TP ways		Rating A
	Section 1	Section 2	
SEB36S24250	14	8	250
SEB42S18250	16	6	250
SEB48S12250	18	4	250

250A boards require a switch disconnector to be added (page 55)

2 x A9MEM3255 MID approved meters with pulsed and modbus outputs.

Incomers for 250A split metered boards



Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
SE160SW4SM	Switch disconnector	160A	4	BS EN 60947-3	95
SE200SW4SM	Switch disconnector	200A	4	BS EN 60947-3	185
SE250SW4SM	Switch disconnector	250A	4	BS EN 60947-3	185
SE160QCB3LSM	MCCB	160A	4	BS EN 60947-2	95
SE200QCB3LSM	MCCB	200A	4	BS EN 60947-2	185
SE250QCB3LSM	MCCB	250A	4	BS EN 60947-2	185

125A type B KQ Loadcentre incoming devices



SE125SW4

Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
SE125L4	Terminal block	125A	4	–	50
SE125SW4	Switch disconnector	125A	4	BS EN 60947-3	50
SE125SW3L	Switch disconnector	125A	3+N lug	BS EN 60947-3	50
SED80034	RCCB	80A, 30mA	4	BS EN 61008	35
SED100304	RCCB	100A, 300mA	4	BS EN 61008	50
SED100304S	RCCB	100A, 300mA TD	4	BS EN 61008	50
SECSW100	Contactor + switch	100A	4	BS EN 60439	50

250A type B KQ Loadcentre incoming devices



SE250SW3L



SE160QRCD

Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
SE250L4P	Terminal block	250A	4	–	185
SE160SW3L	Switch disconnector	160A	3+N	BS EN 60947-3	95
SE200SW3L	Switch disconnector	200A	3+N	BS EN 60947-3	185
SE250SW3L	Switch disconnector	250A	3+N	BS EN 60947-3	185
SE160SW4	Switch disconnector	160A	4	BS EN 60947-3	95
SE200SW4	Switch disconnector	200A	4	BS EN 60947-3	185
SE250SW4	Switch disconnector	250A	4	BS EN 60947-3	185
SE100QCB3L	MCCB	100A	3+N	BS EN 60947-2	95
SE160QCB3L	MCCB	160A	3+N	BS EN 60947-2	95
SE200QCB3L	MCCB	200A	3+N	BS EN 60947-2	185
SE250QCB3L	MCCB	250A	3+N	BS EN 60947-2	185
SE160QRCD	RCCB 160A	Adjustable 30mA - 10A	4	BS EN 61008	95

Note Supplied with 400mm extension box

Metering extension kit



SE250MET

Reference number	Description
SE250MET	MID 3 Phase kWh kit modbus communications and pulsed output (Includes A9MEM3255)

B board accessories



SEPLMCB



SEPLRCBO



SEBES



SEAE16



SE1100L

Reference number	Device type
SESJK	Side joining kit
SEJK	Top/bottom joining kit
SE63SLK	63A Top off or split load
SEK	Barrel lock and 2 keys for catch
SEK33	Spare keys
SE125SPP	125A single phasing kit for use with RCD and switch incomers
SE250SPP	250A single phasing kit
SEDNBP3	Blanking plate (3 poles)
SEPLMCB	MCB padlock attachment (pk 3)
SEPLRCBO	RCBO padlock attachment (pk 10)
SEPL	Padlock
WALLET	Circuit directory and wallet (pack of 10)
SEPD	Padlocking door kit
SEBES	Plain extension box (Height 270mm)
SE1100L	100A lug unit single pole
SEGPKO	Spare gland plate with knockouts (12 x 20mm and 1 x 40mm)
SEGP	Spare gland plate - Plain
SECE12T	Clean earth 12 terminals
SE72BL	Spare way label 72 ways
SEEXGP	Spare gland plate for extension box
SESDC	Spare door catch
SEBNC	Neutral terminal cover
SEBFCF	Spare cover fixing (24)
SECBK	Cross brace kit for SEBES
SELA	MCB padlock attachment (bag of 3)
SEDN25BP3	Blanking plate 25 x 3



SESJK



SEJK

KQ Loadcentre - iKQ Miniature Circuit Breakers (MCB's)

- Manufactured and tested to BS EN 60898
- 10kA breaking capacity
- Let through energy classification of 3 (lowest let through energy giving best cable protection classification)
- Positive contact indication (reliable on/off indication)
- Trip free mechanism operates even when the toggle is locked on
- Lockable in the ON or OFF position
- Speed of connection of Plug-On devices - Reliable connection
- For use in KQ Loadcentre A and B boards

Type B (magnetic setting 3-5 in)

For resistive and light reactive loads, e.g. heating, incandescent lighting etc



SE10B132

Reference numbers			Current rating (Icn*)	Cable capacity mm ²
1 pole	2 pole	3 pole		
SE10B106	–	–	6A	25
SE10B110	–	–	10A	25
SE10B116	–	–	16A	25
SE10B120	–	–	20A	25
SE10B132	–	–	32A	35
SE10B140	–	–	40A	35
SE10B150	–	–	50A	35
SE10B163	–	–	63A	35

Type C (magnetic setting 5-10 in)

For moderately light reactive loads, e.g. fluorescent lighting



SE10C332

Reference numbers			Current rating (Icn*)	Cable capacity mm ²
1 pole	2 pole	3 pole		
SE10C106	-	SE10C306	6A	25
SE10C110	-	SE10C310	10A	25
SE10C116	-	SE10C316	16A	25
SE10C120	-	SE10C320	20A	25
SE10C125	-	SE10C325	25A	25
SE10C132	-	SE10C332	32A	35
SE10C140	-	SE10C340	40A	35
SE10C150	-	SE10C350	50A	35
SE10C163	-	SE10C363	63A	35

Type D (magnetic setting 10-14 in)

For highly reactive loads, e.g. motors, pumps and transformers



SE10D332

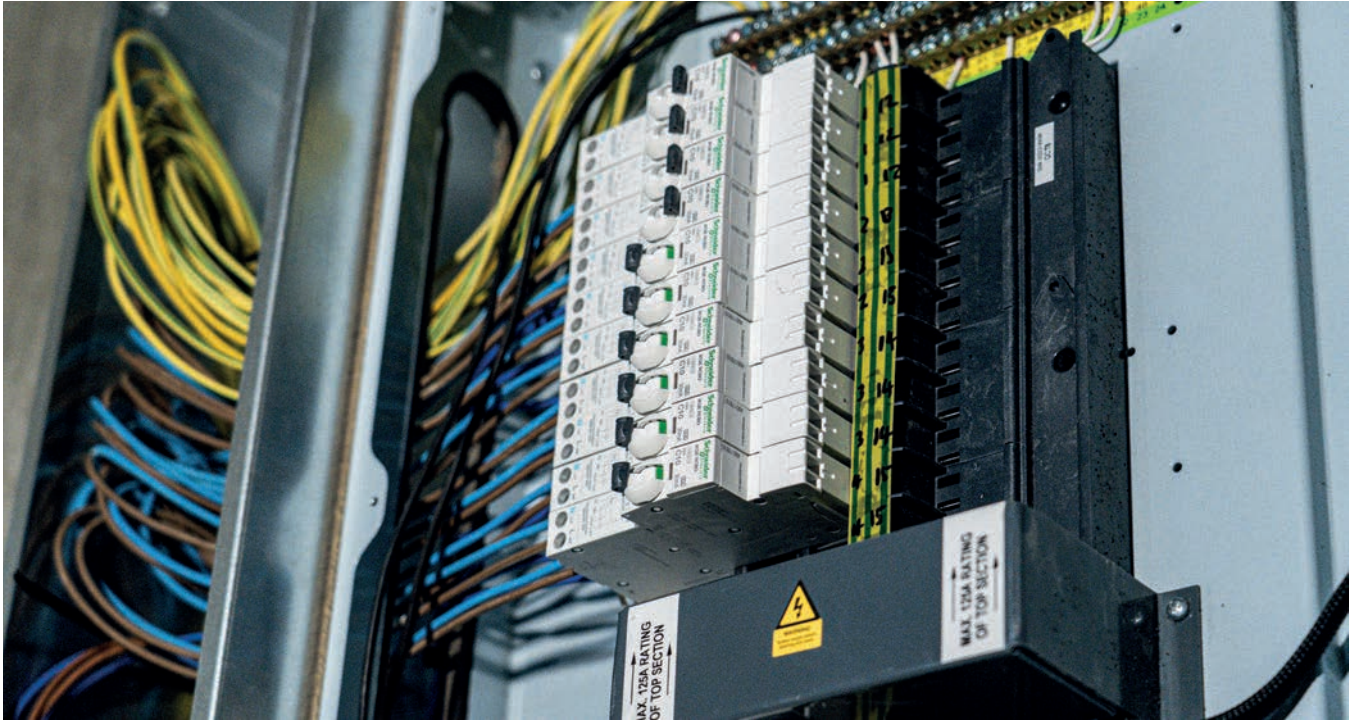
Reference numbers			Current rating (Icn*)	Cable capacity mm²
1 pole	2 pole	3 pole		
-	-	SE10D316	16A	25
-	-	SE10D320	20A	25
-	-	SE10D332	32A	35
-	-	SE10D340	40A	35
-	-	SE10D350	50A	35
-	-	SE10D363	63A	35

DIN rail mounted 80/100A MCB

Suitable for use in extension enclosures or extra service units

Reference number	Description	Terminal capacity	Modular size
SE10C3100	MCB 3P 100A Type C	50	4.5
SE10C380	MCB 3P 80A Type C	50	4.5

Must be used with SE17BES enclosure and 3 x SE1100L.



iKQ Loadcentre - Residual Current Circuit Breakers with Overload (RCBO's)

- Manufactured and tested to BS EN 61009
 - 10kA breaking capacity
 - Let through energy classification of 3 (lowest let through energy giving best cable protection classification)
 - Positive contact indication on toggle (reliable on/off indication)
 - Trip free MCB mechanism
 - Lockable in the ON or OFF position
 - Automatic trip on loss of neutral
 - Automatic protection against reverse polarity
- Type B and C characteristics
 - Operating voltage 150 - 230Vac
 - 6 - 45A; 30mA sensitivities
 - A class sensitivity
 - For use in KQ Loadcentre A and B boards
 - One single pole way occupied in a distribution board ideal for retrofitting earth fault protection
 - Cable capacity 16mm²
 - Speed of connection of Plug-On devices
 - Assured system integrity, no other devices fit KQ boards

Applications

RCBO's are available with 30mA earth leakage sensitivities to suit applications including personnel protection.
RCBO's should be carefully selected for the relevant application.

Residual Current Circuit Breakers - A type



SEE132C03

Reference number	Current rating	Tripping curve	Sensitivity	Cable capacity mm ²
SEE106B03	6A	B	30mA	16
SEE110B03	10A	B	30mA	16
SEE116B03	16A	B	30mA	16
SEE120B03	20A	B	30mA	16
SEE125B03	25A	B	30mA	16
SEE132B03	32A	B	30mA	16
SEE140B03	40A	B	30mA	16
SEE145B03	45A	B	30mA	16
SEE106C03	6A	C	30mA	16
SEE110C03	10A	C	30mA	16
SEE116C03	16A	C	30mA	16
SEE120C03	20A	C	30mA	16
SEE125C03	25A	C	30mA	16
SEE132C03	32A	C	30mA	16
SEE140C03	40A	C	30mA	16
SEE145C03	45A	C	30mA	16

KQ Loadcentre - Residual Current Circuit Breakers (RCCB's)

Type A RCCB

- All Residual Current Circuit Breakers are suitable for use as main incomers in KQ Loadcentre distribution boards.
- Comply with BS EN 61008. Specification for Residual Current operated Circuit Breakers
 - Rated voltage 240/415V AC 50/60 Hz
 - Test button enables RCCB to be tested periodically
 - 30mA device suitable for use as additional protection on final sub circuits
 - e.g. equipment outside equipotential zone or items requiring 2/4 pole protection
 - i.e. switched neutral applications

Residual Current Circuit Breakers - A type



SED40032



SED40034

Reference number	Description
SED21240	KQ IID 2P 40A 30MA
SED21263	KQ IID 2P 63A 30MA
SED24263	KQ IID 2P 63A 300MA
SED21291	KQ IID 2P 100A 30MA
SED22291	KQ IID 2P 100A 300MA
SED21440	KQ IID 4P 40A 30MA
SED21463	KQ IID 4P 63A 30MA
SED22463	KQ IID 4P 63A 100MA
SED24463	KQ IID 4P 63A 300MA
SED21491	KQ IID 4P 100A 30MA
SED24491	KQ IID 4P 100A 300MA
SED25491	KQ IID 4P 100A 300MA-S

KQ Loadcentre - extension enclosures

KQ Loadcentre enclosures are available for applications where matching extension boxes are required to house system extensions or stand alone control systems.

There are two configurations, plain enclosures with door, enclosures with DIN rail, door and front cover assembly.

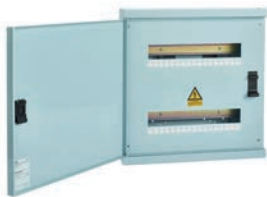
Steel enclosures complete with plain cover and door



Reference number	Description
SE12BCD	450mm with cover and door
SE18BCD	540mm with cover and door
SE36BCD	675mm with cover and door
SE54BCD	819mm with cover and door

SEJK - Joining Kit (If connected to board)

Steel enclosures complete with DIN rails and a front cover assembly and door



Reference number	Number of rows	Total number of SP modules
SE12B2D	2	34
SE18B2D	2	34
SE36B3D	3	51
SE54B4D	4	68

Steel extension enclosure complete with 1 row of DIN rails and a front cover assembly and door



SE17BES

Reference number	Number of rows	Total number of SP modules
SE17BES	1	17

Steel extension enclosure complete with plain cover



SEBES

Reference number	Number of rows	Total number of SP modules
SEBES	–	–

Complementary control devices and accessories



A9C20732

Reference	Description
A9C20732	iCT 25A 2NO 230...240VAC 50HZ Contactor
A9C20834	iCT 25A 4NO 220...240VAC 50HZ Contactor
A9C20842	iCT 40A 2NO 220...240VAC 50HZ Contactor
A9C20843	iCT 40A 3NO 220...240VAC 50HZ Contactor
A9C20844	iCT 40A 4NO 220...240VAC 50HZ Contactor
A9C20863	iCT 63A 3NO 220...240VAC 50HZ Contactor
A9C30811	ITL16A 1NO 230/240VAC 50-60HZ 110V
A9C30812	ITL16A 2NO 230/240VAC 50-60HZ 110V
A9E15535	Changeover relay iRLI 10A 2P UC 230V-240
A9A15321	ISO bell 8 12V
A9A15214	Bell transformer 4VA 230VCA 8VCA
A9A15323	Buzzer 8..12 VCA 70DBA 50..60HZ
A9C20884	iCT 100A 4NO 220...240VAC 50HZ Contactor

Surge Protection for installation with KQ boards, supplied with external insulated enclosure, connections and iKQ MCB



CF1PN40

Reference	Description	Supplying MCB (to be installed in the distribution board)
CF1PN40	Type 2 Surge Arrester 40kA 1P+N	SE10C140
CF1PN8	Type 2/3 Surge Arrester 8kA 1P+N	SE10C110
CF3PN40	Type 2 Surge Arrester 40kA 3P+N	SE10C340
CF3PN8	Type 2/3 Surge Arrester 8kA 3P+N	SE10C310

Complementary Surge Protection (DIN rail mounted)

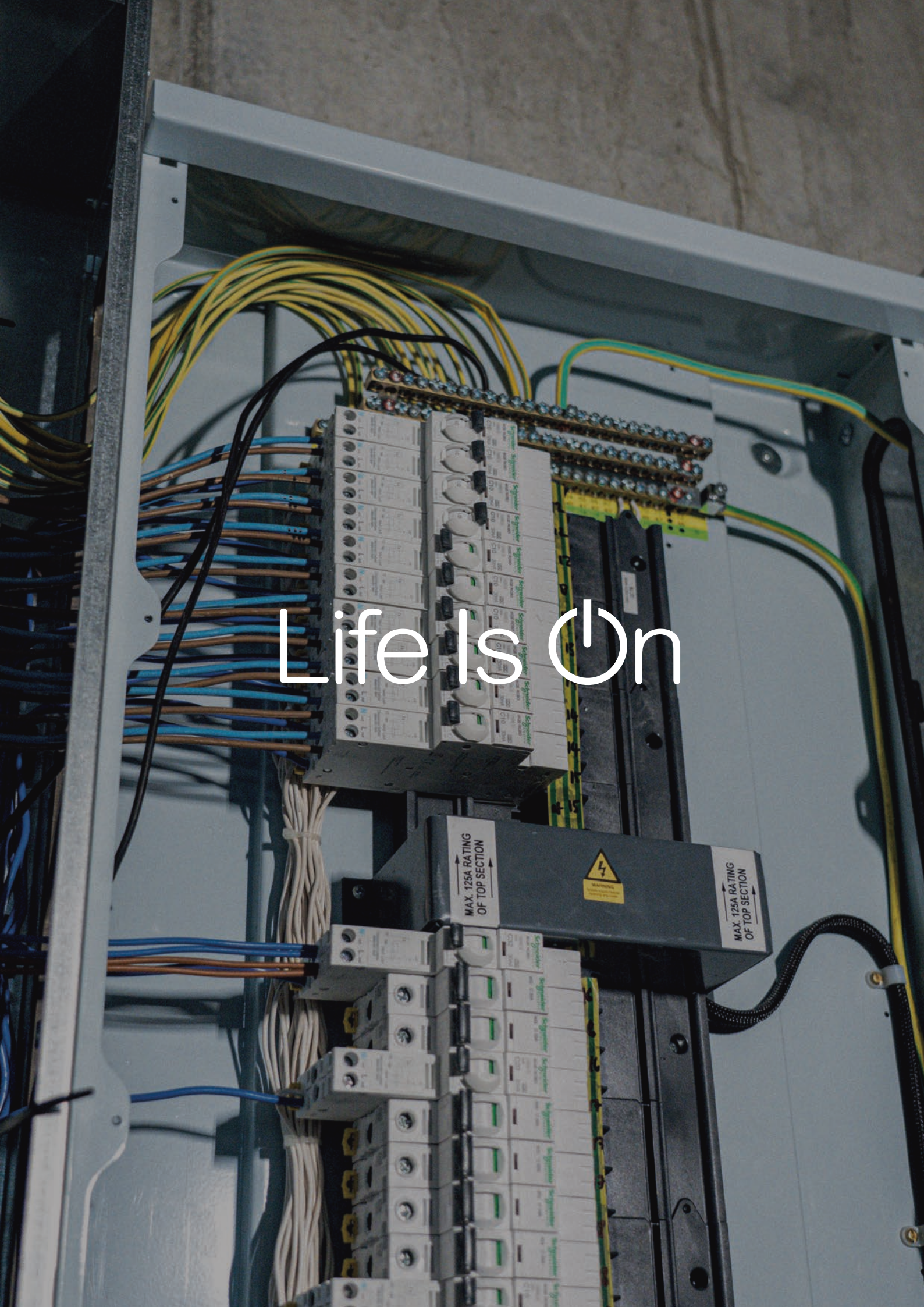


A9L16634

Reference	Description
A9L16282	iPRD1 12.5R 1P+N Type 1/2 combined
A9L40500	iPRD 40 40 KA 340V 1P+N Type 2
A9L80500	iPRD 8 8 KA 230V 1P&N Type 2/3
A9L16482	iPRD1 12.5R 3P+N Type 1/2 combined
A9L40600	iPRD 40 40 KA 340V 3P+N Type 2
A9L08601	iPRD 8 8 KA 340V 3P+N Type 2/3

* requires upstream MCB for protection

Life Is On



KQ Loadcentre Technical

Safe & ready to Install.

- Covering all standard installations out of the box.
- Designed with a safe plug on system and encapsulated busbar assembly.
- IP2x finger safe busbar assembly with non removable insulating barriers providing protection against accidental direct contact.

High Performance

- B Type enclosures with 250A rated busbars and a modular 250A incoming assembly.
- Designed to cater for the most demanding of installations.

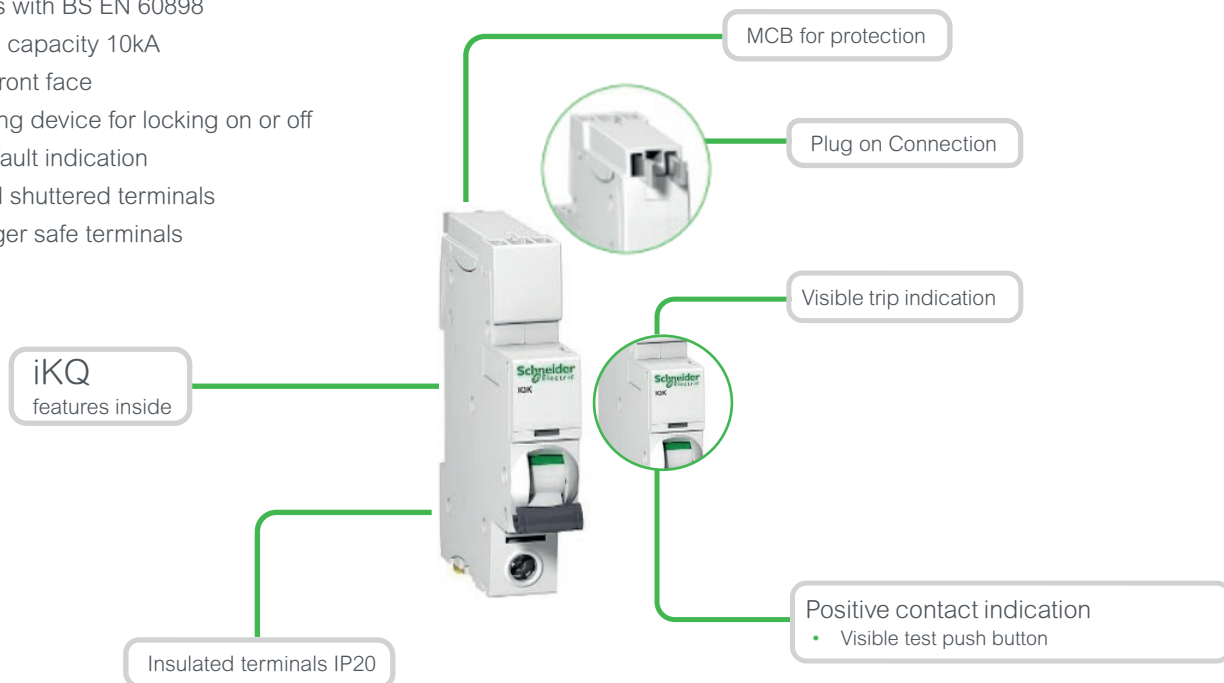
Fast & easy installation for the electrician

- Plug on features allow for quick fitting of outgoing devices.
- Fewer terminals to torque test and reduced maintenance and upgrade times.
- Modular and scalable enclosure systems to accommodate extra requirements or devices.



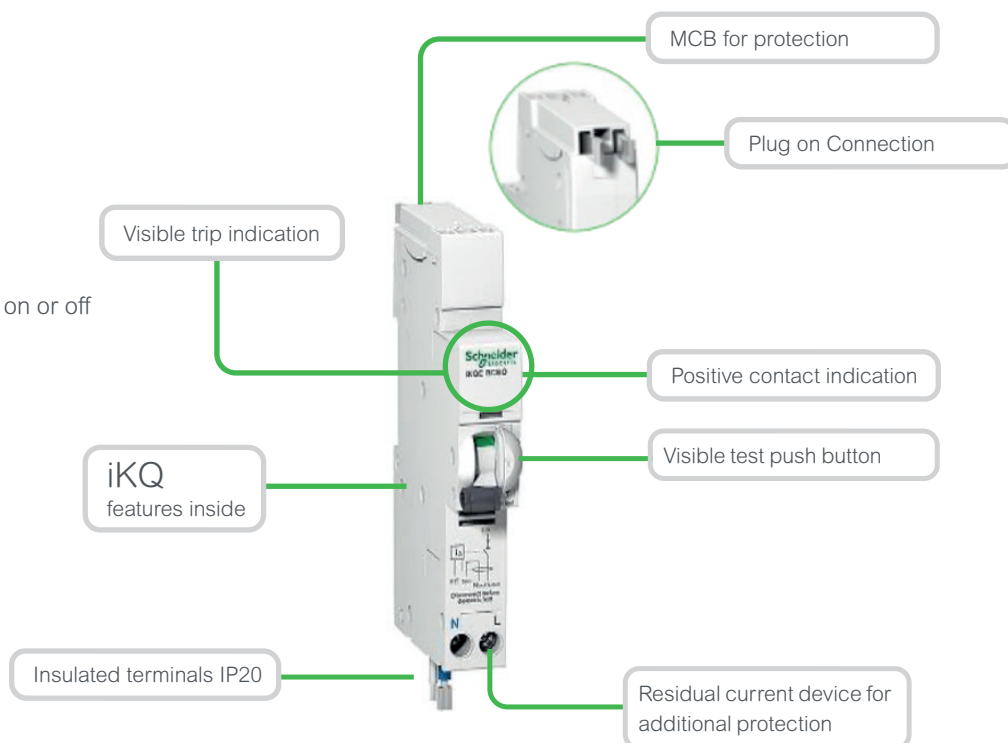
iKQ MCB

- Plug on connection
- Complies with BS EN 60898
- Breaking capacity 10kA
- Class 2 front face
- Padlocking device for locking on or off
- Tripped fault indication
- Insulated shuttered terminals
- IP 20 finger safe terminals



iKQ RCBO

- Plug on connection
- B and C curve 
- RCD Type A as standard
- Complies with BS EN 61009
- Breaking capacity 10kA
- Class 2 front face
- padlocking device for locking on or off
- Will trip even if neutral is lost
- Tripped fault indication
- Insulated shuttered terminals
- IP20 finger safe terminals

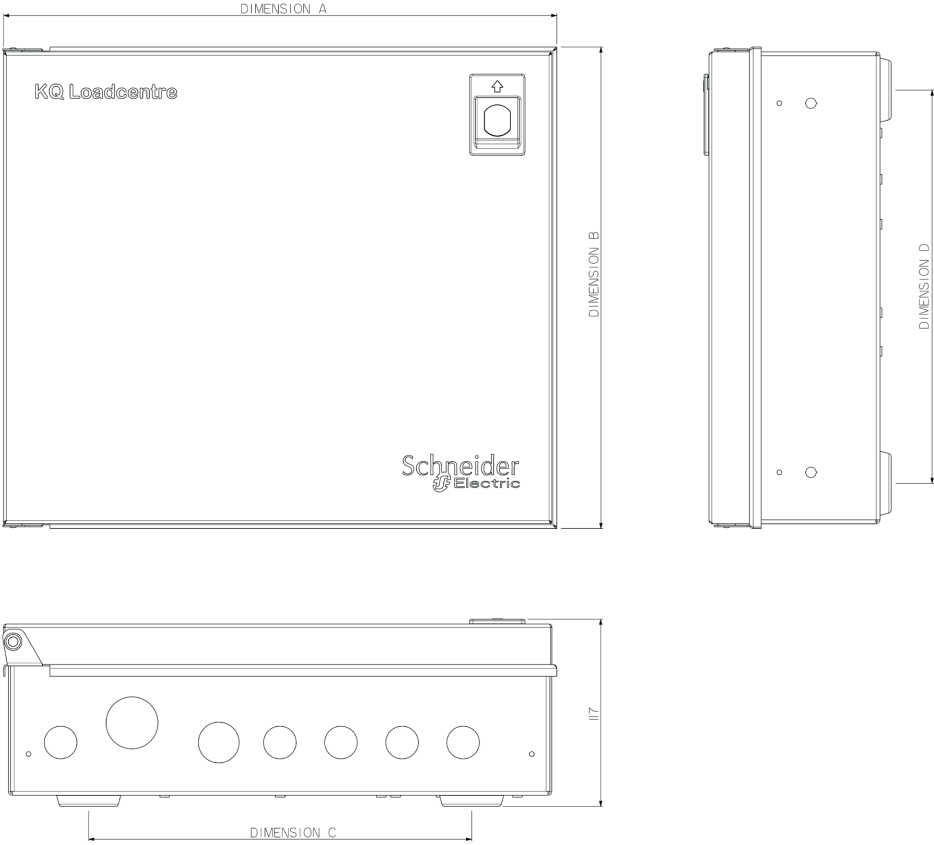


KQ Loadcentre Dimensions

KQ Loadcentre dimensions

A type distribution board

Part number	Dimensions (mm)			
	A	B	C	D
SE125A6	273	300	166.8	245
SE125A8	345	300	238.8	245
SE125A12	417	300	310.8	245
SE125A16	489	300	382.8	245
SE125A24*	417	530	310.8	245
SEAE16	489	300	382.8	245



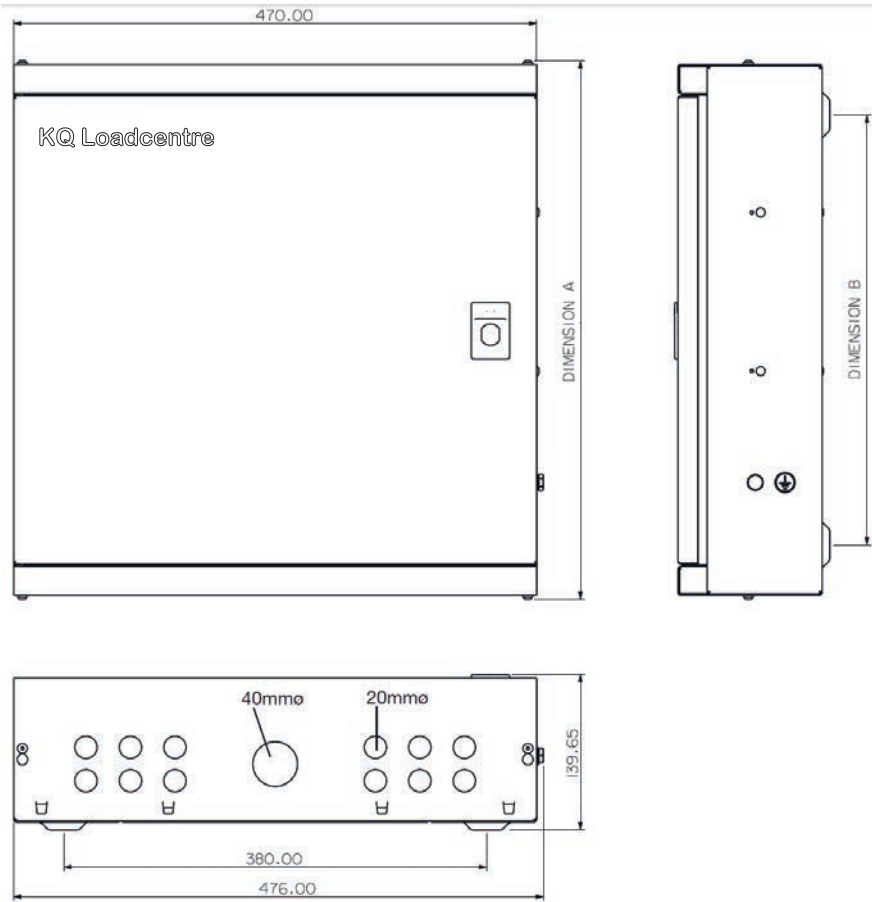
KQ Loadcentre dimensions

B type distribution board - 250A

Part number	Dimensions (mm)		
	A	B	Width
SE12B250	484	386	470
SE18B250	484	386	470
SE24B250	538	440	470
SE36B250	700	602	470
SE48B250	808	710	470
SE54B250	862	764	470
SE72B250	1024	872	470

Split metering distribution boards

Part number	Dimensions (mm)		
	A	B	Width
125 amp	1290	1002	470
250 amp	1694	1406	470



MID 3 Phase kWh kit modbus communications and pulsed output (Includes A9MEM3255)

Reference number	Dimensions (mm)		
	Height	Width	Depth
SE250MET	270	470	139

Split meter board (including incomers)

Reference number	Dimensions (mm)		
	Height	Width	Depth
SEA10S10 *	484	470	139
SEA14S14 *	530	417	139

Split metering board 125A

Reference number	Dimensions (mm)		
	Height	Width	Depth
SEB36S24125	1290	470	139
SEB42S18125	1290	470	139
SEB48S12125	1290	470	139

Split metering board 250A

Reference number	Dimensions (mm)		
	Height	Width	Depth
SEB36S24250	1290	470	139
SEB42S18250	1290	470	139
SEB48S12250	1290	470	139

Steel enclosures with plain cover and door

Reference number	Dimensions (mm)		
	Height	Width	Depth
SE12BCD	484	470	139
SE18BCD	538	470	139
SE36BCD	700	470	139
SE54BCD	808	470	139

Steel enclosures with DIN rails and a front cover assembly and door

Reference number	Dimensions (mm)		
	Height	Width	Depth
SE12B2D	484	470	139
SE18B2D	538	470	139
SE36B3D	700	470	139
SE54B4D	808	470	139

Steel extension enclosure with 1 row of DIN rails and a front cover assembly and door

Reference number	Dimensions (mm)		
	Height	Width	Depth
SE17BES	270	470	139

Steel extension enclosure

Reference number	Dimensions (mm)		
	Height	Width	Depth
SEBES	270	470	124

Extra service units 125A (combination of a standard board and DIN rail enclosure)

Reference number			Dimensions (mm)		
			Height	Width	Depth
SE12B250	+	SE17BES	270	470	139
SE18B250	+	SE12B2D	484	470	139
SE24B250	+	SE18B2D	538	470	139
SE36B250	+	SE36B3D	700	470	139
SE48B250	+	SE54B4D	808	470	139



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Endorsing eco-friendly products in the industry



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This ecolabel guarantees compliance with up-to-date environmental regulations, but it does more than this.

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Schneider Electric publishes complete set of environmental data, including carbon footprint and energy consumption data for each of the lifecycle phases on all of its products, in compliance with the ISO 14025 PEP ecopassport program. PEP is especially useful for monitoring, controlling, saving energy, and/or reducing carbon emissions.

EoLI: End of Life Instructions

Available at the click of a button, these instructions provide:

- Recyclability rates for Schneider Electric products
- Guidance to mitigate personnel hazards during the dismantling of products and before recycling operations
- Parts identification for recycling or for selective treatment, to mitigate environmental hazards/ incompatibility with standard recycling processes

A woman with brown hair, wearing a green t-shirt, is focused on working inside an open white electrical consumer unit. She is using a red-handled screwdriver with a yellow grip to adjust a component within the unit. The unit is filled with various electrical components, including a row of white terminal blocks with numerous wires connected to them, and several white circuit breakers. A yellow warning triangle is visible on the inside of the unit's door. In the background, a vase with red tulips is partially visible. The overall scene is brightly lit, suggesting an indoor setting.

Easy9

Consumer Units

Introduction to Offer



Easy9

- The **Easy9** residential consumer unit and circuit protection supports you as an electrician, helping you be more effective
- Circuit protection you can depend on. A complete range of protection devices including circuit breakers, residual current devices, switches, surge protection devices, Arc fault detection devices (AFDDs) that cover all needs for electrical protection for residential applications



Easy9 Plus

The fully compliant BS 7671 metal enclosure with magnetic door closure provides:

- **Reversible enclosure door** - Central fixing points enable the door to open from top or bottom, providing flexibility and increased installation options
- **Flush mounted flexibility** - **Easy9** can be flush mounted, reducing obtrusion into living and communal spaces
- **Increased cabling space** - Cabling space has been significantly improved for the ever-increasing demands and circuit ways on a consumer unit
- **Improved cable entries** - The trouble-free and rounded knockouts allow for both conduit or trunking applications, always ensuring a neat finish to any job



Easy9 Compact

The fully compliant BS 7671 metal enclosure provides:

- **Compact design** - Ideal for restricted spaces
- **Flexible incomer position** - Can be fitted on either the left or right hand-side of the consumer unit
- **Flexible circuit configuration** - Removable Neutral Terminal U-links allowing RCBO or split load circuits
- **Multiple cable entries** - Multiple knockouts on all sides of the enclosure enable the routing of cables on all sides of the Consumer unit
- **Offset, removable, and raised DIN position** - Suitable for RCBO Installation and easy cable routing
- **Low profile lid** - Makes it easier to access and open the door inside restricted spaces
- **Earth continuity** - Making sure all metallic components are effectively grounded for safety of your application



Easy9 Multirow

- **All the benefits of Easy9 Compact** - **Easy9** Multirow uses all the benefits of the **Easy9** Compact Consumer unit with the added value of more space
- **Multiple rows** - 2 row or 3 row options giving 22ways or 34ways ready for multiple circuit protection needs of the future
- **Low profile cover** - Keeping the low-profile cover on each of the rows making it easier to access and open the door inside restricted spaces
- **Dedicated comb busbar** - For different configurations and feeding the **Easy9** multifunction AFDD

Product Selection Steps

The right selection of enclosure, compatible devices and accessories is very important for the correct functioning of a consumer unit. Take a look at the necessary steps below:

Step 1:

Select Consumer Unit



Step 2:

Select Incomer Devices



Step 3:

Select Surge Protection Devices



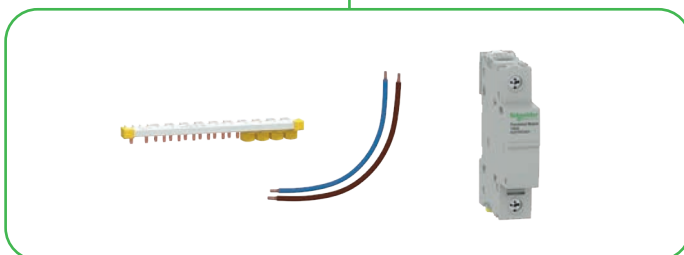
Step 4:

Select Outgoing Devices



Step 5:

Select Accessories







Life Is n

Easy9 Plus Overview

Premium enclosure design

Compliant with the requirements of BS7671 18th Edition Amendment No1 2020. Magnetic door closure and soft rounded corners



Reversible enclosure door

Central fixing points enable the door to open from top or bottom, providing flexibility and increased installation options.



Increased cabling space

Cabling space has been significantly improved for the ever increasing demands and circuit ways on a consumer unit.



Easy9 Plus Overview

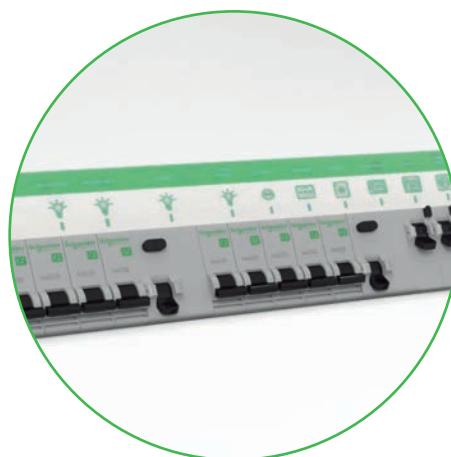
Improved cable entries

Four large rear knockouts and additional top and bottom knockouts with left and right entries for incoming cables provide maximum flexibility for all your cabling needs.



Clear labelling kit

Both ranges include improved labelling kits with clear pictograms and supporting text, ensuring every install is finished neatly and easily identifiable for the end user.



Semi-Flush mounted flexibility

Easy9 Plus can be semi-flush mounted, reducing obstruction into living and communal spaces.



Easy9 Plus Board Detail



Description:

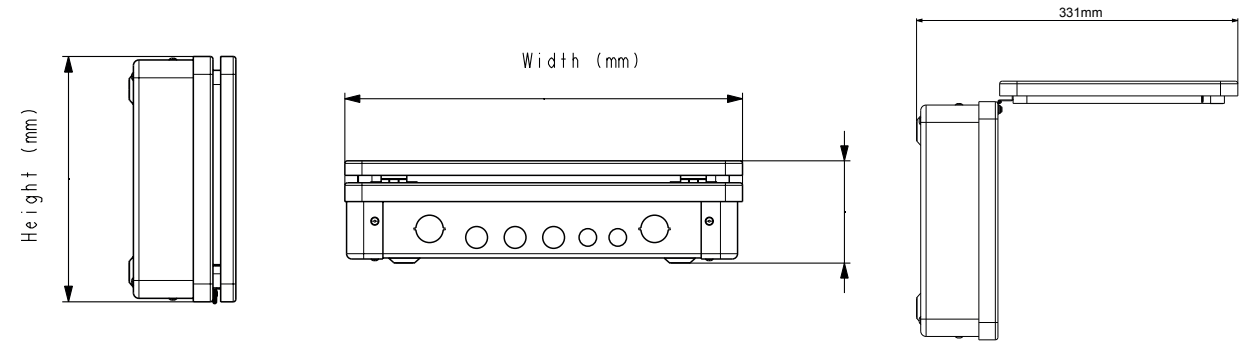
- Metal surface/ recessed enclosures
 - Multiple cable entry points
 - Multiple rear knock out slots
 - Secure raised DIN rail
 - Earth and neutral blocks fitted as standard
 - Secure raised busbar shield
 - Earthed front cover
- Reversible door
 - Can be mounted horizontally or vertically
 - Enclosure colour white RAL9003
 - Neutral bar shields
 - BSEN 61439-3
 - IP3X

Easy9 Plus Empty consumer units

Reference No	Description	Usable Ways
EZ9E2MCU	2 way metal consumer unit	2
EZ9E4MCU	4 way metal consumer unit	4
EZ9E6MCU	6 way metal consumer unit	6
EZ9E8MCU	8 way metal consumer unit	8
EZ9E12MCU	12 way metal consumer unit	12
EZ9E16MCU	16 way metal consumer unit	16
EZ9E20MCU	20 way metal consumer unit	20

Easy9 Plus Dimensions

Reference No	Type	Usable Ways	Height (mm)	Width (mm)	Depth (mm)
EZ9E2MCU	Standard	2	277	213	120
EZ9E4MCU	Standard	4	277	249	120
EZ9E6MCU	Standard	6	277	285	120
EZ9E8MCU	Standard	8	277	321	120
EZ9E12MCU	Standard	12	277	393	120
EZ9E16MCU	Standard	16	277	465	120
EZ9E20MCU	Standard	20	277	537	120



Populated & Part Populated Consumer Units

Multiple populated and part populated **Easy9** Plus consumer units complete with incoming switch, RCD protection and optional MCBs and Surge protection.



Surge Protection

Reference	Description	Usable Ways	Unprotected Ways	RCD1 Ways	RCD2 Ways
EZ9ESLR7R6CTAMCU	EZ9+ 7+6 100A SW 2xA-RCCB +SPD	13	-	7	6
EZ9ESL3R5R5CTAMCU	EZ9+ 3+5+5 100A SW 2xA-RCCB +SPD	13	3	5	5

Dual RCD

Reference	Description	Usable Ways	Unprotected Ways	RCD1 Ways	RCD2 Ways
EZ9ER6R6CTAMCU	EZ9+ 6+6 100A SW 2xA-RCCB	12	-	6	6
EZ9ER8R8CTAMCU	EZ9+ 8+8 100A SW 2xA-RCCB	16	-	8	8

Multiple Split

Reference	Description	Usable Ways	Unprotected Ways	RCD1 Ways	RCD2 Ways
EZ9ES2R5R5CTAMCU	EZ9+ 2+5+5 100A SW 2xA-RCCB	12	2	5	6
EZ9ES2R7R7CTAMCU	EZ9+ 2+7+7 100A SW 2xA-RCCB	16	2	7	7

Flexible Split

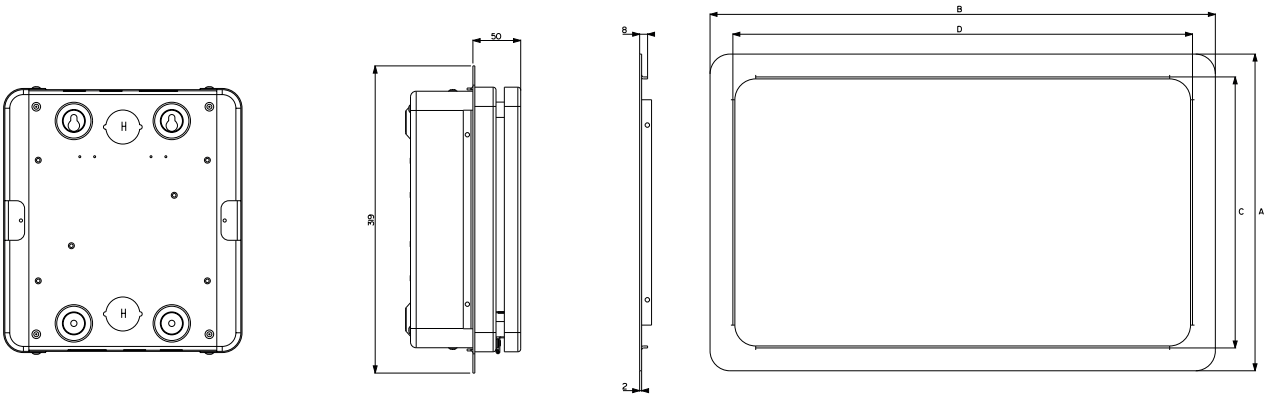
Reference	Description	Usable Ways	Max Unprotected Ways	Max RCD1 Ways	Max RCD2 Ways
EZ9EFS12CTAMCU	EZ9+ CU Flex 12w 100A SW 2xA-RCCB	12	4	7	7
EZ9EFS16CTAMCU	EZ9+ CU Flex 16w 100A SW 2xA-RCCB	16	4	9	9

Populated Consumer Units

Reference	Description	Usable Ways	Unprotected Ways	RCD1 Ways	RCD2 Ways
EZ9ER6R6CTAMRE	EZ9 6+6 Kit 100A SW 2xA-RCCB 8MCB	12	-	6	6
EZ9ES2R5R5CTAMRE	EZ9+ 2+5+5 100A SW 2xA-RCCB 8MCB	12	2	5	5

Easy9 Plus Semi-flush mounting frame

Reference No	Description	External Dimensions (mm)		External Dimensions (mm)	
		A	B	C	D
EZ9EFLKIT16	EZ9 SEMI-FLUSH MOUNT 16	319	509	273	463
EZ9EFLKIT20	EZ9 SEMI-FLUSH MOUNT 20	319	581	273	535



A man with a beard, wearing a blue long-sleeved shirt and black gloves with green accents, is working on a white electrical box mounted on a wall. He is using a pair of orange-handled pliers. Several wires (blue, red, yellow, and grey) are visible, some bundled together and others hanging down. The background shows a wall with some peeling paint and a wooden beam.

Life Is On

Easy9 CCU Overview

Low Profile Cover

Compact Lid with Finger grips

Makes it easier to access and open the door inside restricted spaces



Earth Continuity

Earth continuity providing a safe install

It makes sure all metallic components are effectively grounded for safety of your application



Multiple Cable Entries

Multiple knockouts on all sides of the enclosure

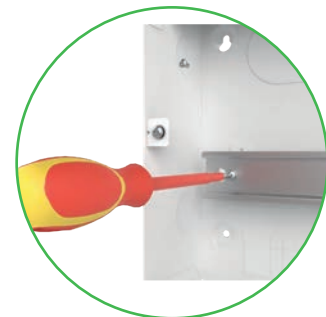
Allows flexibility to route cables on all sides of the Consumer unit



Removable DIN Rail

Quick release DIN rail design utilising keyhole fixings

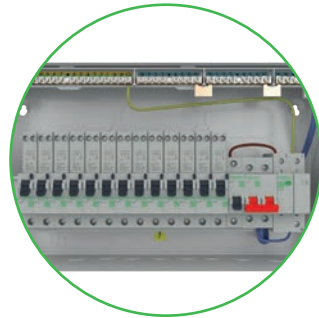
Brings in the adaptability to organise the cables in position before mounting the devices



Easy9 CCU Overview

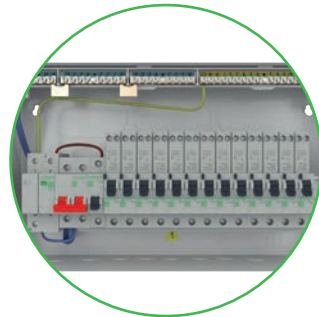
RCBO or Split Load Configuration

With the removable Neutral Terminal U links, the neutral bars are customisable to provide solutions for RCBO or split circuits - Flexibility to have multiple configurations with RCDs and MCB devices



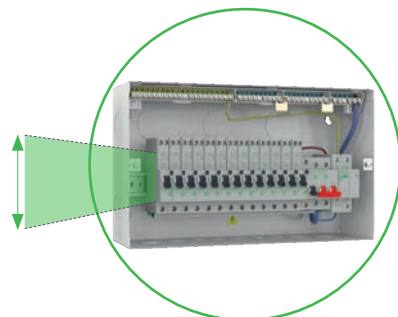
Incomer Position on Left or Right

Optimised design of the Terminal bars and Cables gives the flexibility of connecting the incomer on either the left or right hand-side ends of the consumer unit - Brings flexibility to your installations



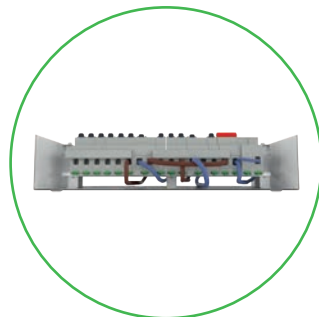
Offset DIN Position

Lower DIN rail to provide additional space for RCBO installation - More flexibility to mount any circuit protection device of your choice in your design



Raised DIN Rail

Facilitates ease of cable routing - Raised DIN rail provides access to cable routing forease of installation.



Easy9 CCU Board Detail

Description:

- Current Rating: 100A
- Metallic Compact Consumer Unit
- IP3X Safety
- White Color RAL9003
- Multiple cable entry knockouts
- Rigid, raised and Offset DIN rail design
- Earth and neutral blocks fitted asstandard
- Insulated comb busbar & neutral cable included
- Earthing continuity for all metallic parts
- Compliance to BSEN 61439-3

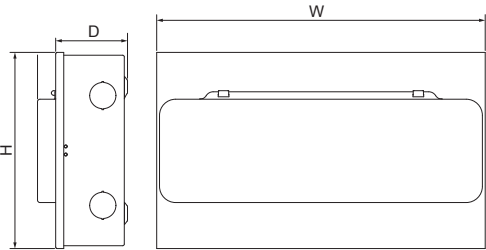


Easy9 Empty compact consumer units

Reference No	Description	Usable Ways
EZ9E10MCCU	10 way metal consumer unit	10
EZ9E12MCCU	12 way metal consumer unit	12
EZ9E16MCCU	16 way metal consumer unit	16

Technical Details

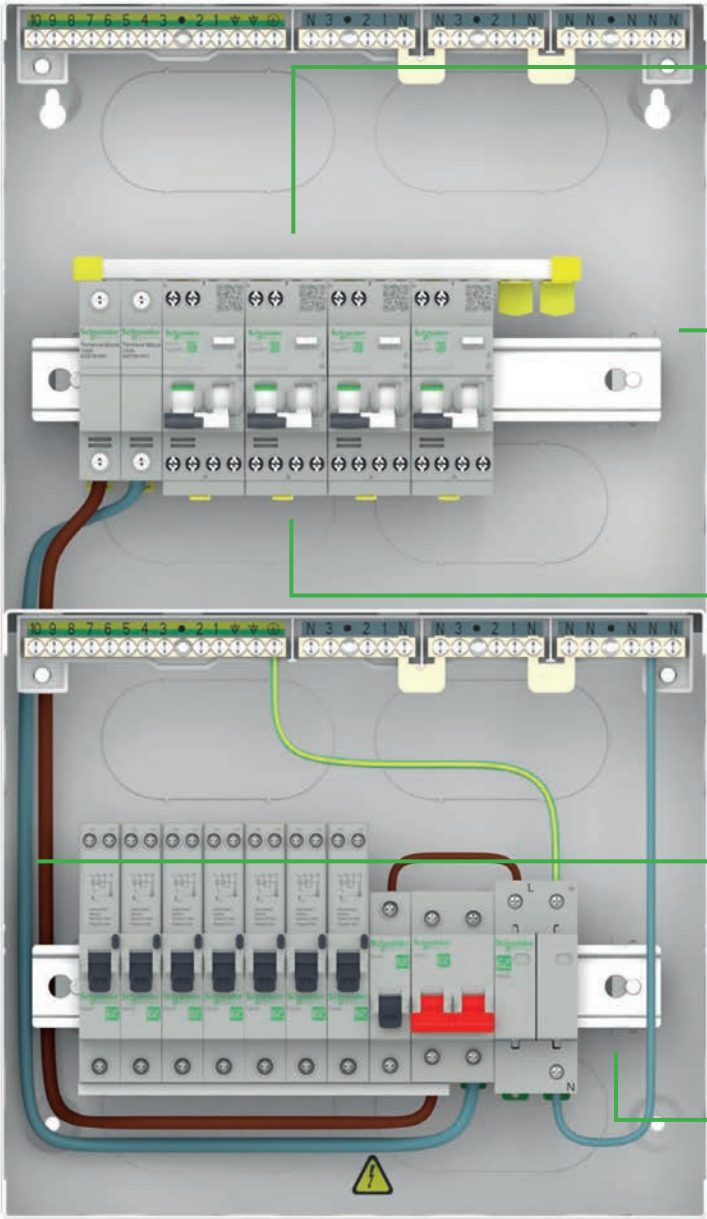
Reference No	Type	Usable Ways	Height (mm)	Width (mm)	Depth (D)	Depth without lid (d)
EZ9E10MCCU	Standard	10	243	312	111.5	89
EZ9E12MCCU	Standard	12	243	347	111.5	89
EZ9E16MCCU	Standard	16	243	407	111.5	89





Life Is ⏻

Easy9 Compact Multirow



Easy to install
with dedicated comb
busbar and terminal block

Flexibility in configuration
with RCBO, AFDD, or split
circuit installation

Supports AFDD installation
with **Easy9 Compact**
accessories

Extra cable space
makes it easy to
connect RCBOs

Suitable for larger installation
with more modular capacity

Multiple cable entry knockouts
with flexibility to route the
cables on top or bottom

Easy9 Compact Multirow Overview

Dedicated comb busbar for AFDD

Dedicated comb busbar
for different configurations
and feeding the **Easy9**
multifunction AFDD



Low Profile Cover

Compact Lid with Finger grips
Makes it easier to access and open
the door inside restricted spaces



Earth Continuity

Earth continuity providing a safe install
It makes sure all metallic components are
effectively grounded for safety of your
application



Multiple Cable Entries

Multiple knockouts on all sides of the enclosure
Allows flexibility to route cables on all sides of the
Consumer unit for your applications

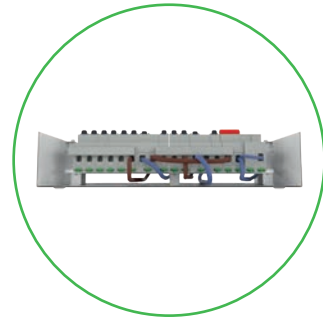


Easy9 Compact Multirow Overview

Raised DIN rail

Facilitates ease of cable routing

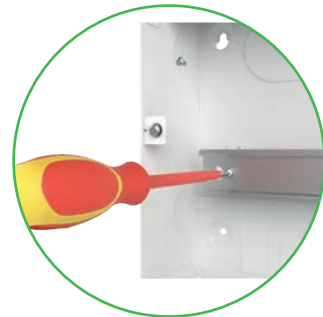
Raised DIN rail provides access to cable routing for ease of installation



Removable DIN rail

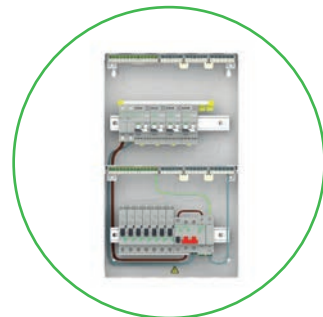
Quick release DIN rail design utilising keyhole fixings

Allows adaptability to organise the cables in position before mounting the devices



Flexible configuration

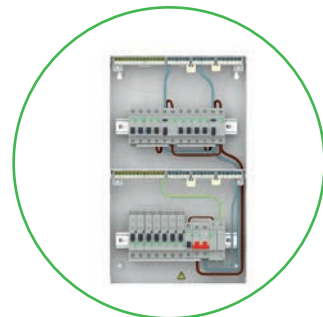
With the removable neutral terminal U links, the neutral bars are customisable to provide solutions for RCBO or split circuits providing flexibility to have multiple configurations with RCDs and MCBs



Incomer Position on Left or Right

Optimised design of the Terminal bars and Cables gives the flexibility of connecting the incomer on either the left or right hand-side ends of the consumer unit

Brings flexibility to your installations



Easy9 Compact Multirow Board Detail

Description:

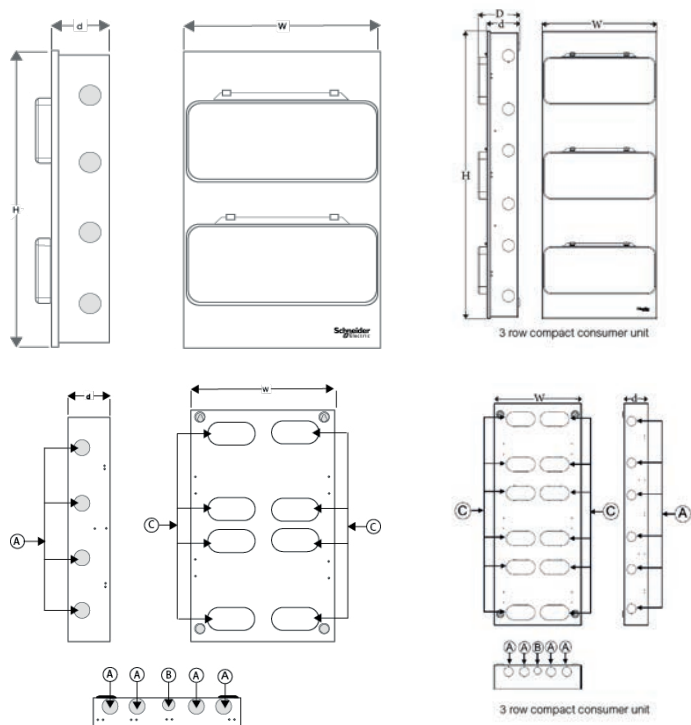
- Current rating: 100A
 - Metallic compact consumer unit
 - IP3X safety
 - White colour RAL9003
 - Multiple cable entry knockouts
- Rigid, raised and offset DIN rail design
 - Earth and neutral blocks fitted as standard
 - Insulated comb busbar and neutral cable included
 - Earthing continuity for all metallic parts
 - Compliance to BS EN 61439-3

Easy9 Compact Multirow empty consumer units

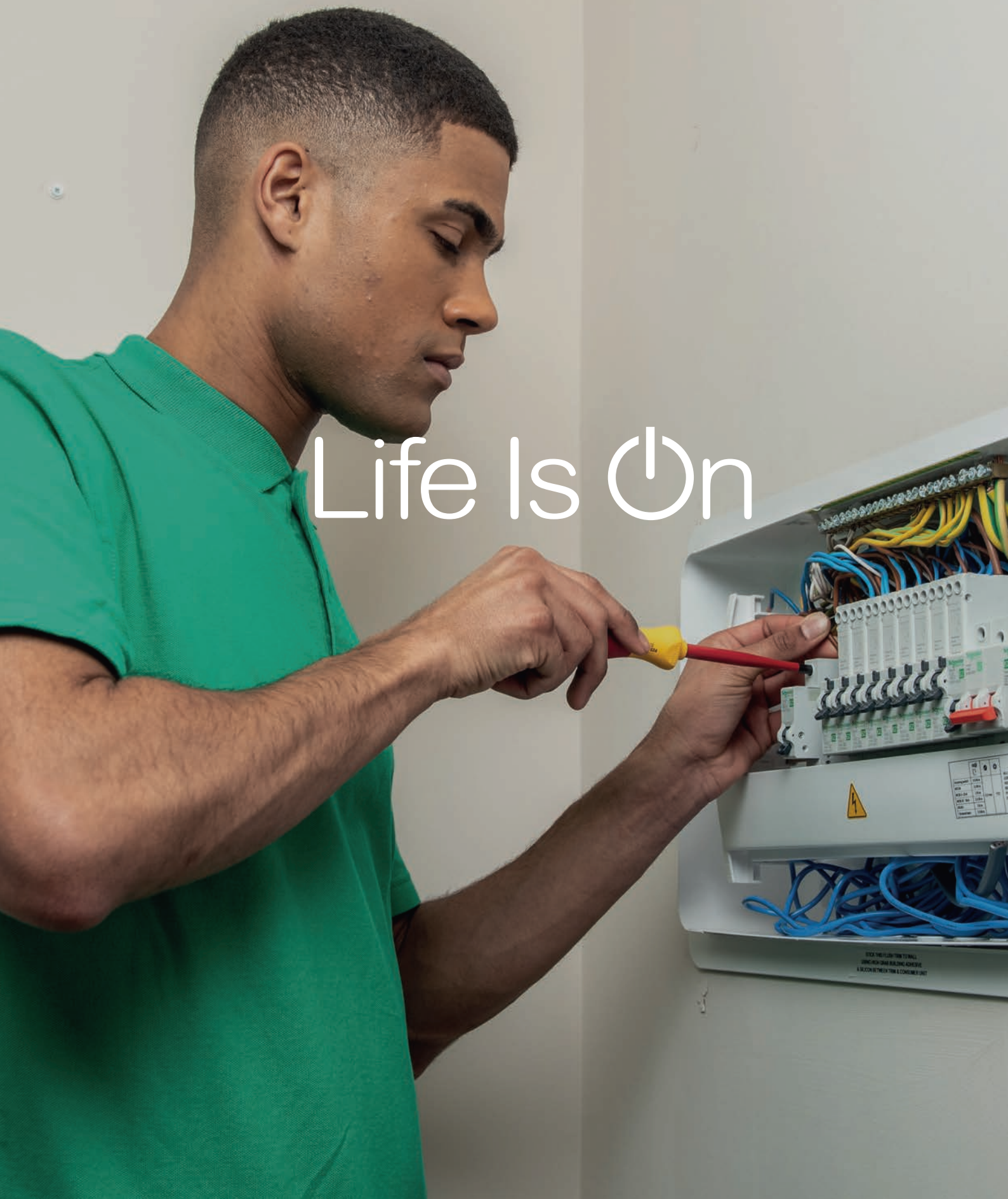
Reference No	Description	Total Ways	Usable ways
EZ9E212MCCU	2 Row, 12 modules each	24	22
EZ9E312MCCU	3 Row, 12 modules each	36	34

Technical Details

Reference No	Type	Usable Ways	Height (mm)	Width (mm)	Depth (D)	Depth without lid (d)
EZ9E212MCCU	Standard	22	522.4	312	111.7	89.2
EZ9E312MCCU	Standard	34	780.4	312	111.7	89.2



Life Is ⏻



Selection of Incomer Devices



2P Switch-Disconnectors

Rating (Ie)	Reference No
63A	EZ9S16263
100A	EZ9S16291
Voltage rating(Ue)	400 V AC 50/60 Hz
Width in 9-mm modules	4



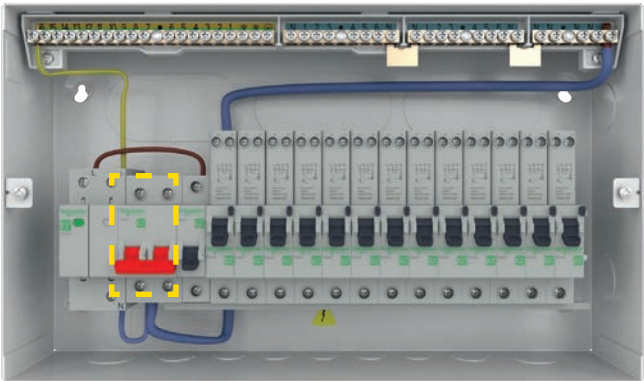
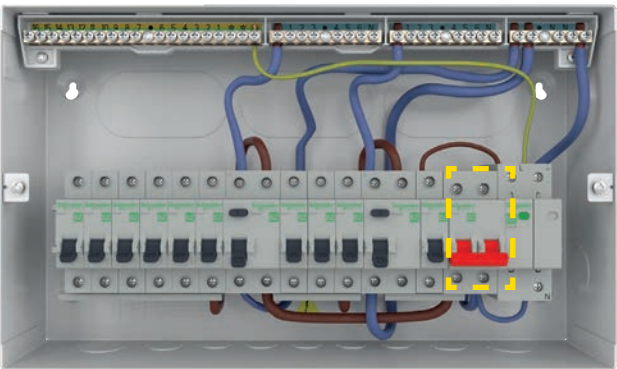
Residual Current Circuit Breakers (RCCB)

Rating (Ie)	AC Type	A Type
63A	EZ9R33263	EZ9R46263
100A	EZ9R33291	EZ9R46291
Voltage rating(Ue)	230 V AC 50 Hz	
Width in 9-mm modules	4	

Flexibility to connect incomers in right or left side

Optimised design of the terminal bars and cable gives the flexibility to connect the incomer on either the left or right hand-side ends of the consumer unit.

This provides additional flexibility to the installer.



Easy9 Devices



1P Miniature Circuit Breakers

Rating (In)	Curve B	Curve C
3 A	EZ9F16103	-
6 A	EZ9F16106	EZ9F66106
10 A	EZ9F16110	EZ9F66110
16 A	EZ9F16116	EZ9F66116
20 A	EZ9F16120	EZ9F66120
25 A	EZ9F16125	-
32 A	EZ9F16132	EZ9F66132
40 A	EZ9F16140	EZ9F66140
50 A	EZ9F16150	EZ9F66150
Width in 9mm modules	2	

Certified compliant BS EN 60898-1

Additional feature		
According to EN 60898-1		
Breaking capacity (Icn)		
Ph/N	230 V AC	6000A
Additional characteristics		
Endurance (O-C)	Electrical	4,000 cycles
	Mechanical	10,000 cycles
Operating temperature		-5°C to +60°C
Storage temperature		-40°C to +85°C

Connection

Rigid copper		
3 to 25 A	1 to 25 mm²	Tightening torque: 2 Nm
32 to 50 A	1 to 35 mm²	Tightening torque: 3.5 Nm
Flexible copper cables		
3 to 25 A	1 to 16 mm²	Tightening torque: 2 Nm
32 to 50 A	1 to 25 mm²	Tightening torque: 3.5 Nm

RCBOs



RCBO 1P+N Type - A 30mA
Certified compliant BS EN 61009-1

Rating (In)	B Curve
6 A	EZ9D16806
10 A	EZ9D16810
16 A	EZ9D16816
20 A	EZ9D16820
25 A	EZ9D16825
32 A	EZ9D16832
40 A	EZ9D16840
50 A	EZ9D16850
Voltage Rating (Ue)	230 V AC, 50 Hz
Width in 9-mm modules	2

Connection

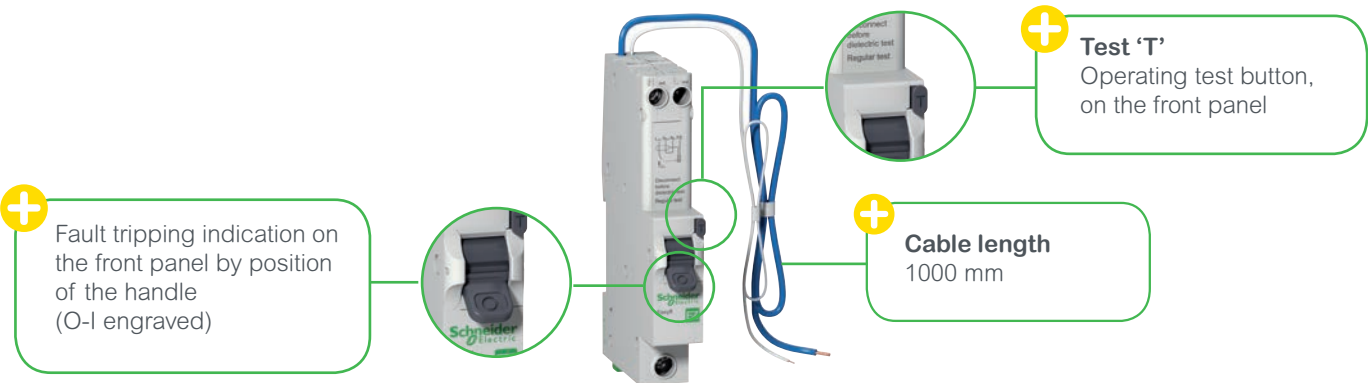
Rigid copper		
L in	1 to 25 mm²	Tightening torque: 2 Nm
L and N out	1 to 16 mm²	Tightening torque: 2 Nm
Flexible copper cables		
L in	1 to 16 mm²	Tightening torque: 2 Nm
L and N out	1 to 10 mm²	Tightening torque: 2 Nm

Certified compliant with IEC61643-11 type 2

Connection	
Rigid copper cables	
5 to 35 mm²	Tightening torque: 2.5 N.m
Flexible copper cables	
5 to 25 mm²	Tightening torque: 2.5 N.m

RCBO Residual Current Devices 6kA

Certified compliant BS EN 61009-1

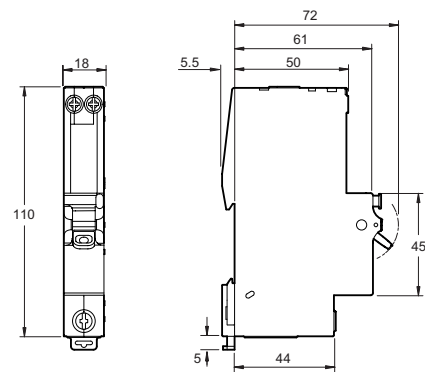


Characteristics

Main characteristics		
Endurance (O-C)	Electrical	4000 cycles
	Mechanical	10000 cycles
Passive, will not trip in the event of a voltage loss		
Additional characteristics		
Degree of protection	Device only	IP20
Overvoltage category (IEC 60364)		IV
Operating temperature		-15°C to +60°C
Storage temperature		-40°C to +85°C
Hazardous substances		RoHS 2003 compliant
Tropicalisation (IEC 60068-1)		Treatment 2 (relative humidity 95 % to 55°C)

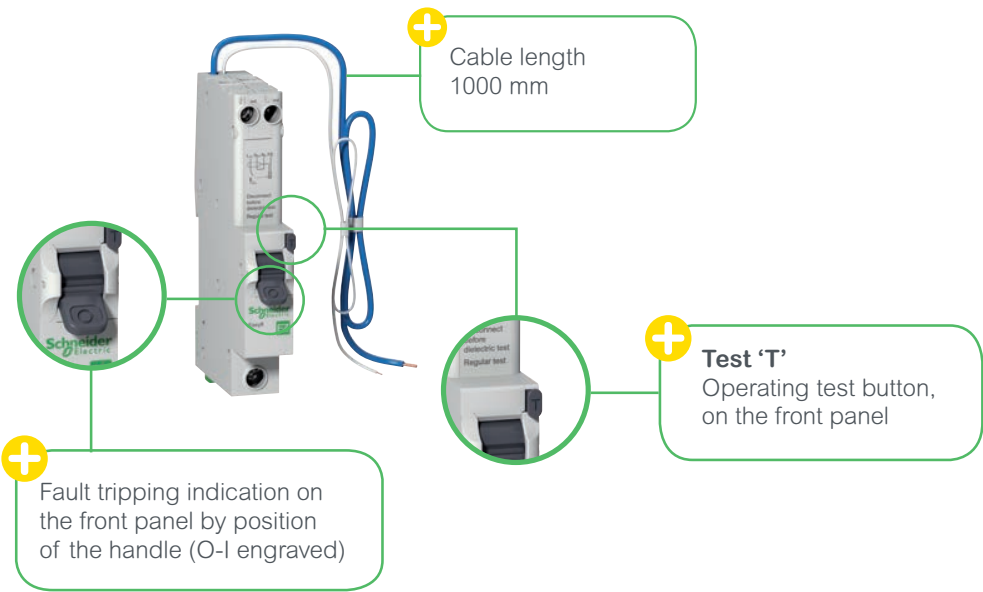
Weight (g) and Dimensions (mm)

Weight (g)	
Type	Easy9 RCBO
1P+N	180



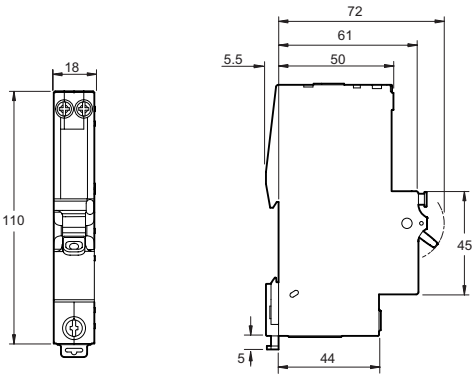
RCBO Residual Current Devices 6kA

Certified compliant BS EN 61009-1

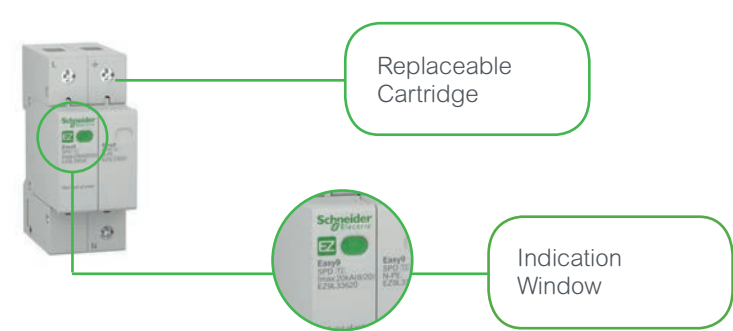


Characteristics

Main characteristics		
Endurance (O-C)	Electrical	4000 cycles
	Mechanical	10000 cycles
Passive, will not trip in the event of a voltage loss		
Additional characteristics		
Degree of protection	Device only	IP20
Overvoltage category (IEC 60364)		IV
Operating temperature		-15°C to +60°C
Storage temperature		-40°C to +85°C
Hazardous substances		RoHS 2003 compliant
Tropicalisation (IEC 60068-1)		Treatment 2 (relative humidity 95 % to 55°C)



Surge Protection Device Type 2



Characteristics

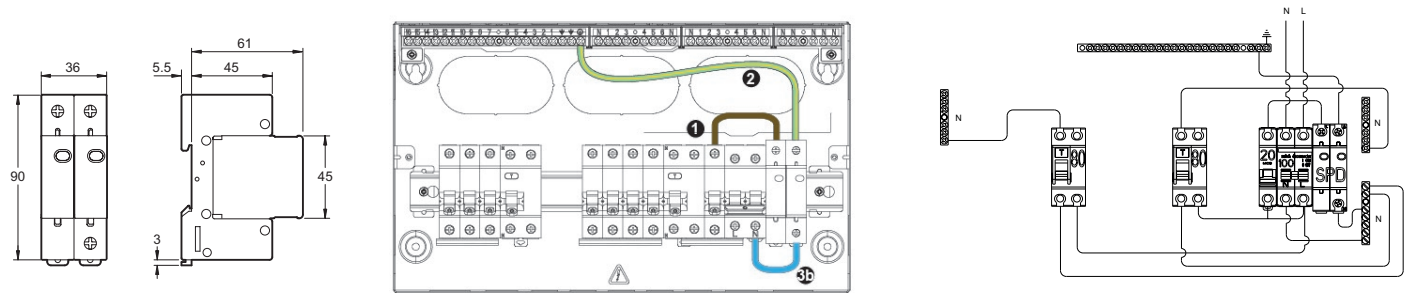
Main characteristics		
Network maximum voltage	Ph / N	230 V, 50/60 Hz
Additional characteristics		
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Storage temperature		-5°C to +70°C
Operating temperature		-5°C to +60°C

Not to be used with TT earthing systems
Certified compliant with IEC 61 643-11 type 2

Weight (g) and Dimensions (mm)

Type	
Type	Easy9 SPD
1P+N	188

Wiring Diagram



Easy9 Plus Accessories



Reference	Description
EZ916BKIT	Spare 16 way busbar
EZ963R30KIT2*	Split load kit supplied with cables
EZ9100R30KIT2*	100A 30mA Split load kit supplied with cables
EZ9ECLMP	Incoming Cable clamp
SEDNBP3	Blank module 3pole
EZ9EBP	Din rail mounted blank pole
EZ9ESP	Label pack
EZ9LKCLIP	EZ9 / R9 Door lock clip
EZ9ELKBAR	EZ9 / R9 universal locking bar
EZ9EFLKIT12*	Semi-flush mount frame 12
EZ9EFLKIT16*	Semi-flush mount frame 16
EZ9EFLKIT20*	Semi-flush mount frame 20
SELA	MCB lock clip

* Can only be used on 8way/12way/16way consumer unit.

Easy9 Compact Accessories



Reference	Description
SELA	MCB lock clip
EZ9EBP	Din rail mounted blank pole
SEDNBP3	Blank plate module 3 pole
EZ9CCUCABLEKIT1	Easy9 CCU Cable Kit 1 for 10 Way & 12 Way CU
EZ9CCUCABLEKIT2	Easy9 CCU Cable Kit 2 for 16Way CU
EZ9ESP	Label pack

Easy9 Compact Multirow Accessories



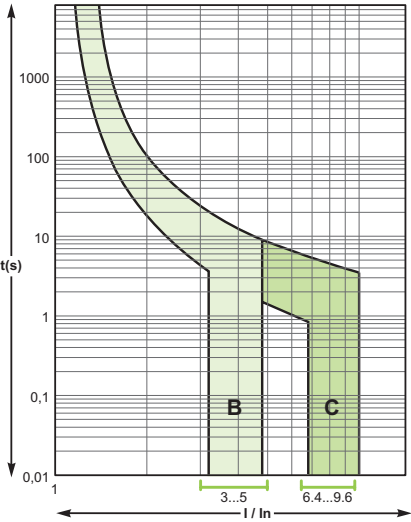
Reference	Description
EZ9TB1001	Easy9 Terminal Block 100A
EZ9CCUCABLEKITMR	Inter row Cable kit for Multirow
SEPNB112	AFDD Phase Neutral Comb busbar 5 Modules, 100A
EZ9EBP	Din rail mounted blank pole
SEDNBP3	Blank plate module 3 pole
EZ9CCUCABLEKIT1	Easy9 cable kit for split load configuration
EZ9ESP	Label pack



Technical details

Technical details

Time current tripping curves



Miniature circuit breakers

MCB selection chart for household appliances

Appliance		Capacity	MCB rating (A)	Tripping curves
Air conditioner		1 ton	16	"C"
		1.5 ton	20	
		2 ton	20	
		3 ton	25	
Refrigerator		165 litres	2	"C"
		285 litres	2	
Water heater		1 kW	6	"B"
		3 kW	16	
Electric kettle		1.5 kW	10	"B"
Food processor (50 % load)		200 W	1	"C"
Vacuum cleaner		50 W	0.5	
Toaster		1.2 kW	6	"B"
Cooking range		750 W	4	
		2 kW	10	
		4.5 kW	25	
Room heater		1 kW	6	"B"
		2 kW	10	
Washing machine		300 W	2	"C"
		1.3 kW	10	
Electric iron		750 W	6	"B"
		1.25 kW	6	

Technical details

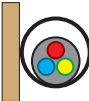
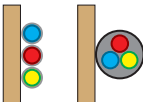
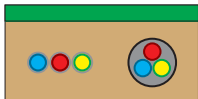
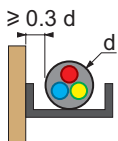
Miniature circuit breakers

Selection of circuit breakers according to the cables to be protected (BS 7671)

- PVC-insulated, copper, flexible or rigid cable
- Ambient temperature:
 - 30°C in the open air (methods A, B, C, E)
 - 20°C if buried (method D)
- For other situations, refer to BS 7671 standard (or UK wiring regulations)

Function:

- Protection from short-circuits
- Protection of cable from overload

MCB current rating		Single-phase circuit							
Cable cross section (in mm²)		1.5	2.5	4	6	10	16	25	35
Type of installation		Maximum rating of the circuit breaker used there (in Ampere)							
A: in conduit or directly in thermally insulated wall, moulding, architrave, window frame									
Single core		10	16	25	32	40	50	80	80
Multicore		10	16	25	32	40	50	70	80
B: in conduit in a wall, in conduit trunking or cable duct on a wall, in building cavity									
Single core		16	20	32	40	50	70	100	125
Multicore		16	20	25	32	50	50	80	80
C: direct on a wall, suspended from ceilings, on unperforated cable tray, in masonry wall									
Single core or multicore		16	25	32	40	63	80	100	125
D: in conduit in the ground									
Multicore or single core		20	25	32	40	50	70	80	80
D: directly in the ground									
Multicore or single core		20	25	32	40	63	80	100	125
E: in free-air, on cable ladder, on perforated cable tray									
Multicore		20	25	40	40	70	80	100	125

Technical details

Residual current devices

Function:

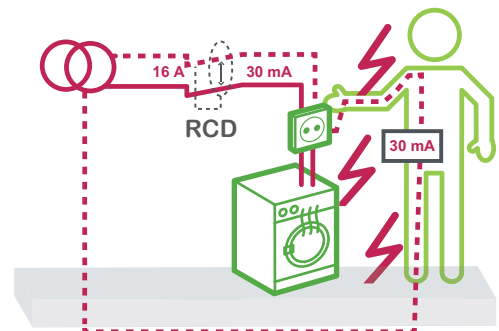
- Protection of persons against electric shock by direct contact (30 mA)
- Protection of installations against the risk of fire (300 mA)
- Protection of persons against electric shock by indirect contact (100 mA to 300 mA)



Residual current devices

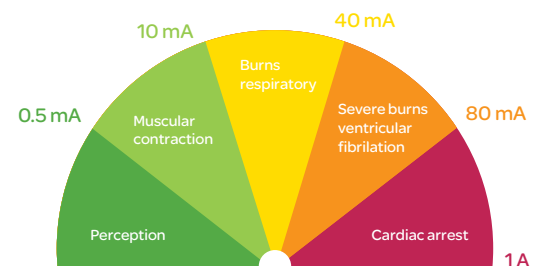
Protection from electric shocks by direct contact:

- Protection of persons against electric shock by direct contact (30 mA)
- Protection of installations against the risk of fire (300 mA)
- Protection of persons against electric shock by indirect contact (100 mA to 300 mA).



By measuring the intensity difference between live and neutral conductors, RCDs actually detect the current flowing through the human body. If this current reaches the 30 mA limit, the RCD trips within a few milliseconds, so preventing injury or worse.

- Injuries become serious when currents exceed 40 to 50 mA during one second
- Theoretically, a 150 mA current flows through the body when a person touches a 230 V energised conductor under dry conditions



Research worldwide shows that the intensity of current flowing through the body determines the extent and severity of an electric shock.

Check RCDs regularly

Test



Testing the RCD every 6 months enables detection of any event that may have impaired its operation



Technical details

Residual current devices

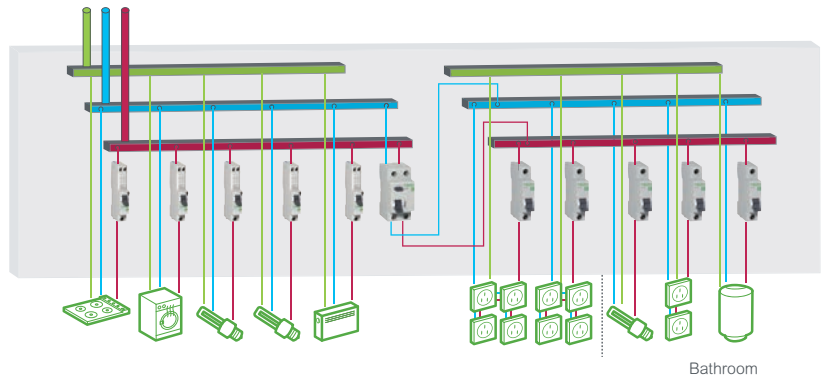
Selection
Residual current sensitivity

Protection from	Residential	Non-residential	Sensitivity
Electric shocks by direct contact			
	Mandatory protection for all socket outlets Mandatory protection for all electrical equipment in bathroom Recommended for lighting circuits	Mandatory protection for all socket outlets Mandatory protection for all equipment located close to water points	30 mA 10 mA for all applications where required by the standard (e.g.: jacuzzi, swimming pools, etc.)
Fire ignited by leakage current			
	Recommended in old buildings (presence of dust or moisture)	Mandatory in all locations under risk of fire or explosion Recommended in all premises under presence of dust, moisture, chemical agents	300 mA
Electric shock by indirect contact			
	All circuits in case of "TT" earthing system	All circuits in case of "TT" earthing system	100 mA or 300 mA



Current rating:
Shall not be in excess of upstream MCB current rating

- Requirements from wiring regulation (411.3.3)
Protection by means of a residual current protective device (RCD), shall be provided for:
- Sockets outlets with a rated current not exceeding 20 A, mobile equipment with a current rating not exceeding 32 A for use outdoors.
 - In rooms containing a bath or a shower.
 - Cables in walls/ partitions
 - EV charging circuits
 - Swimming pools





Lisse



Curves in all the right places...

The Lisse White Moulded range of wiring accessories offers the perfect blend of style and performance.

You no longer have to choose between convenience and efficiency, or compromise on appearance to get the most innovative features. Lisse is packed with a vast array of technical features, providing a high level of quality, reliability and value you can count on.

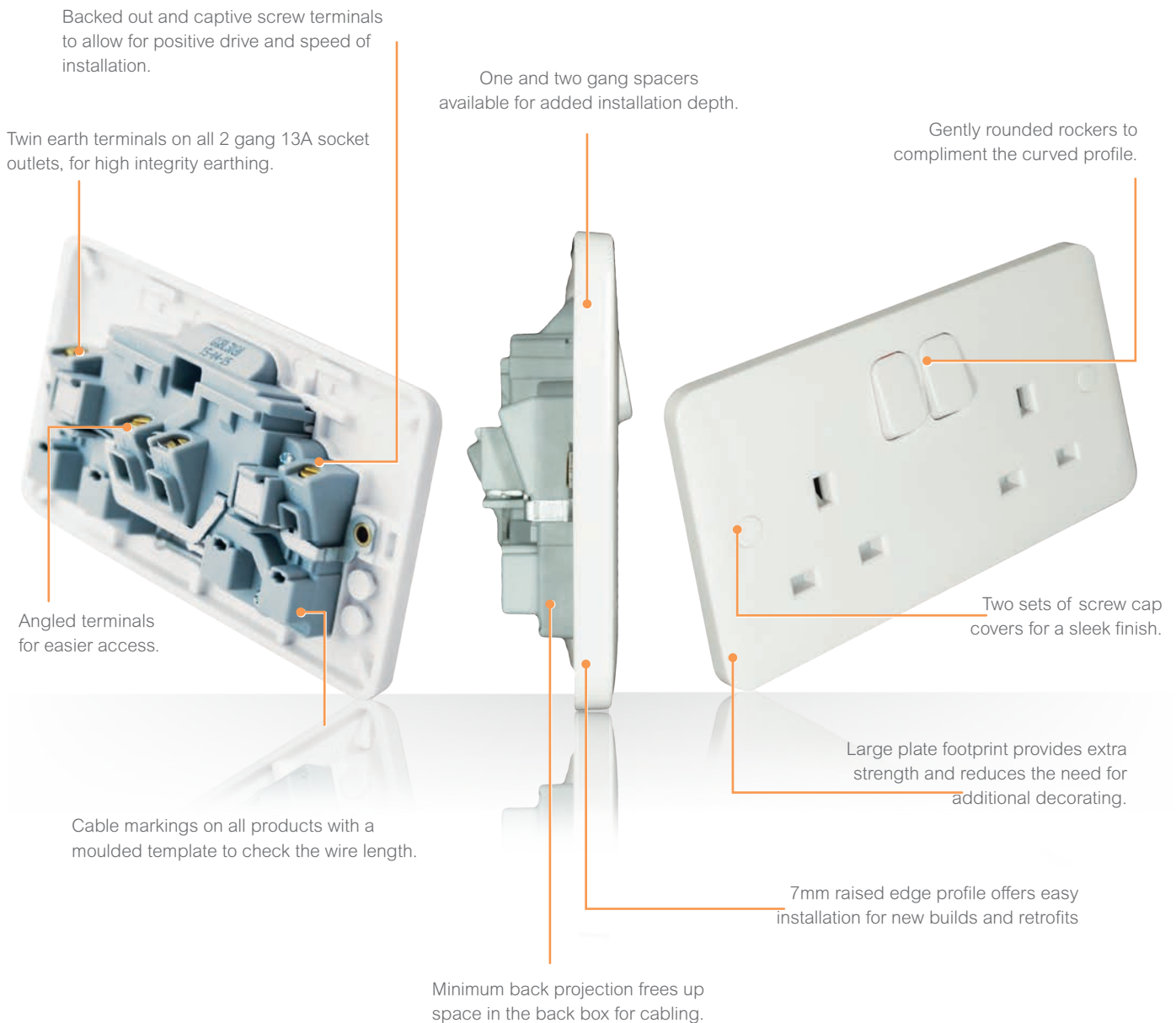


- Ideally suited for new construction and refurbishment projects.
- Future-proofed to cater for the latest demands in consumer technology.
- Made from durable, high quality urea with antimicrobial properties.
- Cleverly designed to ensure that product ordering is simple and efficient, with many time and space saving solutions.
- Crafted with your customer in mind, adding bespoke solutions to make a lasting impact.

Quality as standard...

The smooth, modern lines of Lisse offer an understated elegance to compliment today's interiors.

Not only that - every attention to detail has been paid to the design and construction of this elegant white moulded range, built to make your installation faster, smoother, simpler.



Tailored to meet your needs....

The Lisse comprehensive moulded range have been cleverly designed to ensure that product ordering is simple and efficient, with many time and space saving solutions.

What does this mean for you? Faster ordering, fewer part references and greater installation flexibility, without compromising on quality or performance.

Fully Antimicrobial

Lisse wiring devices provide the highest level of resistance to MRSA, E-Coli, Salmonella and Klebsiella Pneumoniae.



Clever Illumination

When power indication is required the additional LED indicators are simply clipped into place on the back of the product and simply shine through the plate giving a simple but effective solution



Flexible Frames

The addition of flex outlet frames provide an onsite solution without the need for dedicated product references, or for use when additional depth is required for cabling space.



Switch Illuminated Frame

The addition of the Lisse illuminated frame onto a light switch makes finding the light switch perfect for children or the elderly & infirm.

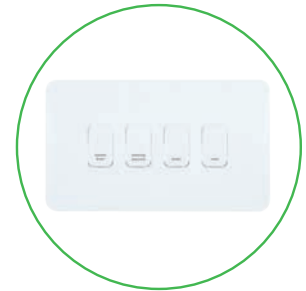


For every application

With such a comprehensive product range, Lisse White Moulded allows you to find everything that you need to meet the demands of today's modern installations.

Flexible Grid Solutions

Available in 1 to 12 gang with accompanying modules. Installation is made easy with its slot headed screw design, and ordering is simplified as mounting frames are supplied with each grid front plate.



Added Safety & Security

The Lisse lockable socket or switch is ideal for communal areas in order to prevent injury risks and unauthorised energy usage.



Stay Connected

Help customers stay connected to their TVs, game consoles, computers, and sound systems with Lisse. Choose from a full range of multimedia connectors, USB charging solutions, and combination plates.



Accessories

A range of useful accessories are available to give greater user flexibility. Adding a clip or hook to a wall switch for convenience for Keys or post-it notes (R) or the popular shelf to add to a USB socket for a safe and secure place for your mobile phone.



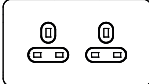
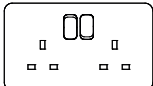


Lisse White Moulded

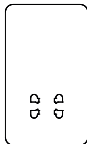
Selection Table



Lisse White Moulded

Product type	Description	
Unswitched sockets 	13A 1 gang unswitched	GGBL3050
	13A 2 gang unswitched	GGBL3060
Switched sockets 	13A 1 gang SP switched	GGBL3010
	13A 1 gang DP	GGBL3010D
	13A 1 gang SP switched non-standard	GGBL3050NS
	13A non-standard plug top	GGBLTOP13ANS
	13A 1 gang lockable socket	GGBL3060L
	13A 2 gang SP switched	GGBL3020
	13A 2 gang DP switched	GGBL3020D
	13A 2 gang DP switched with outboard rockers	GGBL3030
	13A 1 to 2 gang switched converter socket	GGBL30212DS
Round pin sockets	2A unswitched	GGBL3070
	5A unswitched	GGBL3080
	5A switched	GGBL3081
	15A switched	GGBL3090
	16A 1 gang unswitched schuko	GGBL3016A1
USB Sockets & Shelves 	13A 1 gang DP switched with 2 x ports 2.1A shared USB	GGBL30102USBAS
	1 gang shelf	GGBLSHF1GS
	13A 2 gang DP switched with 2 x ports 2.1A shared USB	GGBL30202USBAS
	2 gang shelf	GGBLSHF2GS
Light switches 	1 gang 1 way	GGBL1011
	1 gang 2 way	GGBL1012
	1 gang 2 way wide rocker	GGBL1012W
	1 gang retractive	GGBL1012R
	1 gang retractive printed press	GGBL1012RP
	1 gang retractive printed bell symbol	GGBL1012RB
	2 gang 2 way	GGBL1022
	2 gang 2 way wide rocker	GGBL1022W
	3 gang 2 way	GGBL1032
	3 gang 2 way wide rocker	GGBL1032W
	Hook accessory	GGBLH1GS
	Clip accessory	GGBLC1GS
	4 gang 2 way	GGBL1042
	1 gang intermediate	GGBL1014
	1 gang intermediate wide rocker	GGBL1014W
	3 pole fan isolator	GGBL1013
	2 gang 1 gang 2 way switch & 3 pole isolator	GGBL10131L
	2 gang 3 pole isolator & 1 gang 2 way switch	GGBL10131R
Architrave switches	10AX 1 gang 2 way	GGBL1012A
	1 gang 2 way & 16mm pattress	GGBL1012116AS
	1 gang 2 way retractive printed press	GGBL1012ARP
	2 gang 2 way	GGBL1022A

Lisse White
Moulded

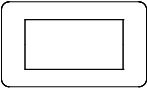
Product type	Description	
Dimmer switches 	1 gang 1 way 250W mains & low voltage	GGBL6011CS
	1 gang 2 way 400W/VA mains & low voltage	GGBL6012CS
	1 gang 2 way 100W/VA LED	GGBL6012LMS
	2 gang 2 way 250W/VA mains & low voltage	GGBL6022CS
	2 gang 2 way 100W/VA LED	GGBL6022LMS
	3 gang 2 way 250W/VA mains & low voltage	GGBL6032CS
	4 gang 2 way 250W/VA mains & low voltage	GGBL6042CS
Control switches 	20AX DP	GGBL2010
	20AX DP with LED	GGBL2011
	20AX DP with LED, flex outlet & printed 'Water Heater'	GGBL2014WH
	20AX DP lockable	GGBL2010L
	20A DP sink bath with neon	GGBL2022IMR
	32A DP with LED	GGBL4031
	25A side entry flex outlet	GGBL2033
	50A 1 gang DP switch with LED	GGBL4011
	50A 2 gang DP switch with LED	GGBL4021
	45A DP cooker control unit with 13A socket & LED	GGBL4001
	Cooker connection unit	GGBL4050
Fused connection units 	13A unswitched FCU	GGBL5000
	13A unswitched engraved alarm	GGBL5000AL
	13A DP switched	GGBL5010
	13A DP switched engraved boiler black text	GGBL5010BO
	13A DP switched engraved boiler red text	GGBL5010BOR
	13A DP switched engraved central heating	GGBL5010CER
	13A DP switched engraved fridge	GGBL5010FRR
	13A DP switched engraved fridge freezer	GGBL5010FFR
	13A DP switched engraved fan	GGBL5010FAR
	13A DP switched engraved washing machine	GGBL5010WMR
	13A DP switched engraved cooker hood	GGBL5010CHR
	13A DP switched engraved tumble dryer	GGBL5010TDR
	13A DP switched with LED	GGBL5011
	13A DP switched with flex outlet	GGBL5013S
Shaver sockets 	115/230V dual voltage	GGBL7090S

Lisse White Moulded

Selection Table

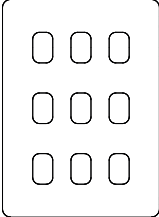
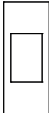


Lisse White Moulded

Product type	Description	
	2 x USB charger outlets 3.1A shared	GGBL70043
	RJ11	GGBL7051S
	BT master	GGBL7061S
	BT secondary	GGBL7062S
	Single RJ45 CAT 5e	GGBL7071C5S
	Twin RJ45 CAT 5e	GGBL7072C5S
	Single RJ45 CAT 6	GGBL7071C6S
	Twin RJ45 CAT 6	GGBL7072C6S
	Single TV-R co-axial	GGBL7010
	Diplex TV-R/DAB	GGBL7020
	Satellite "F" Type	GGBL7030
	Media plate 4 x 13A socket, 4 x 50x50mm euro mod cut-out	GGBL3020D8MP
	Media plate mounting box 160 x 270 x 47mm	GGBSB4724M
	1 gang 50 x 25mm	GGBL8050
	1 gang 50 x 50mm	GGBL8060
	2 gang 50 x 100mm	GGBL8080
	2 x RCA socket - 25 x 50mm	GUE7000W
	2 x Loudspeaker socket - 25 x 50mm	GUE7001W
	TV/Radio (diplexed) - 50 x 50mm	GUE7010W
	Single IEC coax (female) - 25 x 50mm	GUE7011W
	Single IEC coax (male) - 25 x 50mm	GUE7012W
	HDMI 50 x 50mm	GUE7020W
	Single F - 25 x 50mm	GUE7030W
	TV/Sat diplexer 50 x 50mm	GUE7040W
	RJ11 modem - 25 x 50mm	GUE7051W
	Telephone (BT master) - 25 x 50mm	GUE7061W
	Telephone (BT slave) - 25 x 50mm	GUE7062WK
	CAT5E - 25 x 50mm	GUE7071W
	RJ45 CAT 6 - 25 x 50mm	GUE7072W
	USB charger single 5V 1A 25 x 50mm	GUE7073W
	USB charger twin 2 x 1A 50 x 50mm	GUE7074W
	USB charger single 5V 2.1A 25 x 50mm	GUE7021W
	USB charger twin 2 x 3.1A 50 x 50mm	GUE7031W
	TV/Radio/Sat1 - (triplexed) 50 x 50mm	GUE7081W
	TV/Radio/Sat1/Sat2 - (quadplexer) 50 x 50mm	GUE7082W
	Brush outlet	GUE7076N
	Blank 25 x 50mm	GUE8010W



Lisse White Moulded

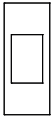
Product type	Description	
Grid plates 	1 gang 88 x 88mm	GGBL01G
	2 gang 88 x 88mm	GGBL02G
	76 x 76 x 42mm mounting box	GBG01
	3 gang 88 x 148mm	GGBL03G
	4 gang 88 x 148mm	GGBL04G
	136 x 76 x 42mm mounting box	GBG02
	6 gang 156 x 156mm	GGBL06G
	8 gang 156 x 156mm	GGBL08G
	136 x 136 x 42mm mounting box	GBG03
	9 gang 216 x 156mm	GGBL09G
	12 gang 216 x 156mm	GGBL12G
	193 x 133 x 42mm mounting box	GBG04F
Grid modules (fully assembled) 	10AX 2 way	GGBL102W
	10AX intermediate	GGBL10IW
	20AX 1 way	GGBL201W
	20AX 2 way centre off	GGBL202OCW
	20AX 2 way	GGBL202W
	20AX DP	GGBL202DPW
	20AX DP printed microwave	GGBL202DPMWW
	20AX DP printed cooker hood	GGBL202DPCHW
	20AX DP printed dishwasher	GGBL202DPDWW
	20AX DP printed freezer	GGBL202DPFZW
	20AX DP printed washing machine	GGBL202DPWMW
	20AX DP printed tumble dryer	GGBL202DPTDW
	20AX DP printed heater	GGBL202DPHTW
	20AX DP printed washer dryer	GGBL202DPW
	20AX DP printed oven	GGBL202DPOVW
	20AX DP printed boiler	GGBL202DPWBO
	20AX DP printed fan	GGBL202DPFAW
	20AX DP printed fridge freezer	GGBL202DPFFZW
	20AX DP printed fridge	GGBL202DPFRW
	20AX DP printed hob	GGBL202DPHOW
	10A 2 way retractive switch	GGBL102RW
	2 way retractive & centre off switch	GGBL202OCW
	100W LED rotary dimmer	GGBLGRDIMLW
	20AX double-pole switch with neon	GGBLG2011
	20AX 2 way key switch	GGBL202KEPWPW
	20AX key switch printed TEST EMG LTG	GGBL202KEPWPWEL
	20AX DP key switch printed TEST EMG LTG	GGBL202PKWPWEL

Lisse White Moulded

Selection Table



Lisse White
Moulded

Product type	Description	
Grid modules (fully assembled) 	20AX DP key switch	GGBL20DPKW PW
	13A fuse carrier	GGBL13FCUW PW
	Green indicator	GGBLINDWG
	Red indicator	GGBLINDWR
	Orange indicator	GGBLINDWO
	1A USB charger	GGBLE7004
	Blank	GGBLBW
Blank plates 	1 gang blank plate	GGBL8010
	2 gang blank plate	GGBL8020
Surface pattresses	1 gang architrave 16mm deep	GGBL9116A
	2 gang architrave 16mm deep	GGBL9216A
	1 gang 16mm deep	GGBL9116
	1 gang 25mm deep	GGBL9125
	2 gang 25mm deep	GGBL9225
	2 gang 25mm deep dual	GGBL9D25
	1 gang 47mm deep	GGBL9147
	2 gang 47mm deep	GGBL9247
Spares	M3.5 x 25mm screws	3746130
	M3.5 x 50mm screws	USCREW50SS
	1 gang spacer frame	GGBLSPC1S
	2 gang spacer frame	GGBLSPC2S
	LED indicator module	GGBLSIND



Lisse Screwless Deco



Curves in all the right places...

Elegant decorative wiring accessories.

The smooth, modern lines of Lisse Screwless Deco offer an understated elegance to compliment today's interiors.

Whatever your taste, you can express your personal sense of style in the home down to the finest detail through the comprehensive range of finishes Lisse Screwless Deco has to offer.



- Ideally suited for new construction and refurbishment projects.
- Future-proofed to cater for the latest demands in consumer technology.
- Painting and decorating made easy by the unique screwless design and clipping system.
- Cleverly designed to ensure that product ordering is simple and efficient, with many time and space saving solutions.
- Crafted with your customer in mind, adding bespoke solutions to make a lasting impact.



Stainless Steel
Black Inserts



Stainless Steel
White Inserts



Polished Chrome
White Inserts



Polished Chrome
Black Inserts



Mocha Bronze
Black Inserts



Satin Brass
Black Inserts

Simple by design for home and business

Removable screwless cover and reliable clip-in system make painting & decorating easier.

Insert around the rocker enhances the rocker shape.

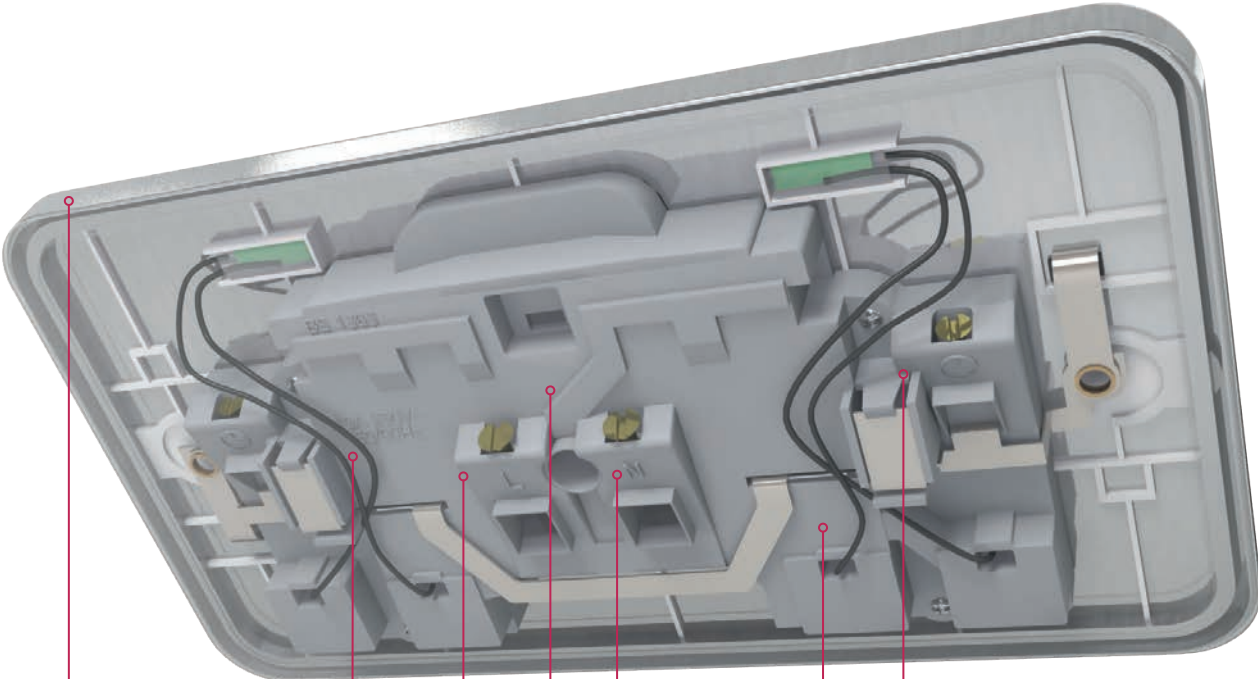
Gently rounded metal rockers to compliment the curved profile.

LED power indicator which provides a robust, efficient and long lasting solution.

Large plate footprint provides extra strength and reduces the need for additional decorating.

Available in a range of 4 stocked and 3 made-to-order metal finishes.

GGBL3021DBSS



7mm raised edge profile offers easy installation for new builds and retrofits.

Angled terminals for easier access.

Backed out and captive screw terminals to allow for positive drive and speed of installation.

Minimum back projection frees up space in the back box for cabling.

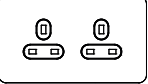
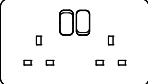
Twin earth terminals on all 2 gang 13A socket outlets, for high integrity earthing.

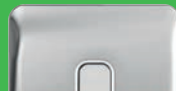
Light grey back moulding colour for easier terminal identification.

Cable markings on all products with a moulded template to check the wire length.

Lisse Screwless Deco

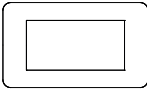
Selection Table

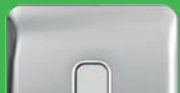
Product Type	Description
Unswitched sockets 	13A 2 gang unswitched
Switched sockets 	13A 1 gang SP switched 13A 1 gang DP 13A 1 gang DP with neon 13A non-standard plug top 13A non-standard socket 13A 1 gang lockable socket 13A 2 gang SP switched 13A 2 gang switched with neons 13A 2 gang DP switched
Round pin sockets	2A unswitched 5A unswitched 5A switched 15A switched 16A 1 gang unswitched schuko
USB Sockets & Shelves 	13A 1 gang DP switched with 2 x ports 2.1A shared USB 1 gang shelf 13A 2 gang DP switched with 2 x ports 2.1A shared USB 2 gang shelf
Light switches 	1 gang 2 way 1 gang 2 way wide rocker 1 gang retractive 2 gang 2 way 2 gang 2 way wide rocker 3 gang 2 way 3 gang 2 way wide rocker Hook accessory Clip accessory 4 gang 2 way 1 gang intermediate 1 gang intermediate wide rocker 3 pole fan isolator
Dimmer switches 	1 gang 1 way 250W mains & low voltage 1 gang 2 way 400W/VA mains & low voltage 1 gang 2 way 100W/VA LED 2 gang 2 way 250W/VA mains & low voltage 2 gang 2 way 100W/VA LED 3 gang 2 way 250W/VA mains & low voltage 4 gang 2 way 250W/VA mains & low voltage
Control switches 	20AX DP 20AX DP with LED 20AX DP with LED, flex outlet & printed "Water Heater"

						
	Stainless Steel with White interior	Stainless Steel with Black interior	Polished Chrome with White interior	Polished Chrome with Black interior	Satin Brass with Black interior	Mocha Bronze with Black interior
	GGBL3060WSSS	GGBL3060BSSS	GGBL3060WPCS	GGBL3060BPCS	GGBL3060BSBS	GGBL3060BMBS
	GGBL3010WSS	GGBL3010BSS	GGBL3010WPC	GGBL3010BPC	GGBL3010BSB	GGBL3010BMB
	GGBL3010DWSS	GGBL3010DBSS	GGBL3010DWPC	GGBL3010DBPC	GGBL3010DBSB	GGBL3010DBMB
	GGBL3011DWSS	GGBL3011DBSS	GGBL3011DWPC	GGBL3011DBPC		
	GGBLTOP13ANS	GGBLTOP13ANS	GGBLTOP13ANS	GGBLTOP13ANS	GGBLTOP13ANS	GGBLTOP13ANS
	GGBL3050NSWSSS	GGBL3050NSBSSS	GGBL3050NSWPCS	GGBL3050NSBPCS	GGBL3050NSBSB	GGBL3050NSBMB
	GGBL3060LWSS	GGBL3060LBSS	GGBL3060LWPC	GGBL3060LBPC		
	GGBL3020WSS	GGBL3020BSS	GGBL3020WPC	GGBL3020BPC	GGBL3020BSBS	GGBL3020BMBS
	GGBL3021DWSS	GGBL3021DBSS	GGBL3021DWPC	GGBL3021DBPC	GGBL3021DBSB	GGBL3021DBMB
	GGBL3020DWSS	GGBL3020DBSS	GGBL3020DWPC	GGBL3020DBPC	GGBL3020DBSB	GGBL3020DBMB
	GGBL3070WSS	GGBL3070BSS	GGBL3070WPC	GGBL3070BPC	GGBL3070BSB	
	GGBL3080WSS	GGBL3080BSS	GGBL3080WPC	GGBL3080BPC	GGBL3080BSB	GGBL3080BMB
	GGBL3081WSS	GGBL3081BSS	GGBL3081WPC	GGBL3081BPC	GGBL3081BSB	GGBL3081 BMB
	GGBL3090WSSS	GGBL3090BSSS	GGBL3090WPCS		GGBL3090BSBS	GGBL3090BMBS
	GGBL3016A1WSS	GGBL3016A1BSS	GGBL3016A1WPC		GGBL3016A1BSB	GGBL3016A1BMB
	GGBL30102USBAWSSS	GGBL30102USBABSSS	GGBL30102USBAWPC	GGBL30102USBABPCS	GGBL30102USBABSBBS	GGBL30102USBABMBBS
	GGBLSHF1GS	GGBLSHF1GBS	GGBLSHF1GS	GGBLSHF1GBS	GGBLSHF1GBS	GGBLSHF1GBS
	GGBL30202USBAWSSS	GGBL30202USBABSSS	GGBL30202USBAWPC	GGBL30202USBABPCS	GGBL30202USBABSBBS	GGBL30202USBABMBBS
	GGBLSHF2GS	GGBLSHF2GBS	GGBLSHF2GS	GGBLSHF2GBS	GGBLSHF2GBS	GGBLSHF2GBS
	GGBL1012WSSS	GGBL1012BSSS	GGBL1012WPCS	GGBL1012BPC	GGBL1012BSBS	GGBL1012BMBS
	GGBL1012WWSS	GGBL1012WBSS	GGBL1012WWPC		GGBL1012WBSB	GGBL1012WBMB
	GGBL1012RWSS	GGBL1012RBSS	GGBL1012RWPC	GGBL1012RBPC	GGBL1012RBSB	GGBL1012RBMB
	GGBL 1022WSS	GGBL1022BSS	GGBL1022WPC	GGBL1022BPC	GGBL1022BSB	GGBL1022BMB
	GGBL 1022WWSS	GGBL1022WBSS	GGBL1022WWPC		GGBL1022WBSB	GGBL1022WBMB
	GGBL1032WSS	GGBL1032BSS	GGBL1032WPC	GGBL1032BPC	GGBL1032BSB	GGBL1032BMB
	GGBL1032WWSS	GGBL1032WBSS	GGBL1032WWPC		GGBL1032WBSB	GGBL1032WBMB
	GGBLH1GS	GGBLH1GSBS	GGBLH1GS	GGBLH1GSBS	GGBLH1GSBS	GGBLH1GSBS
	GGBLC1GS	GGBLC1GBS	GGBLC1GS	GGBLC1GBS	GGBLC1GBS	GGBLC1GBS
	GGBL1042WSSS	GGBL1042BSSS	GGBL1042WPCS		GGBL1042BSBS	GGBL1042BMBS
	GGBL1014WSSS	GGBL1014BSSS	GGBL1014WPCS	GGBL1014BPC	GGBL1014BSBS	GGBL1014BMBS
	GGBL1014WWSS	GGBL1014WBSS	GGBL1014WWPC	GGBL1014WBPC	GGBL1014WBSB	GGBL1014WBMB
	GGBL1013WSSS	GGBL1013BSSS	GGBL1013WPCS	GGBL1013BPC	GGBL1013BSBS	GGBL1013BMBS
	GGBL6011CSSS	GGBL6011CSSS	GGBL6011CPCS	GGBL6011CPCS	GGBL6011CSBS	GGBL6011CMBS
	GGBL6012CSSS	GGBL6012CSSS	GGBL6012CPCS	GGBL6012CPCS	GGBL6012CSBS	GGBL6012CMBS
	GGBL6016LMSSS	GGBL6016LMSSS	GGBL6016LMSSS	GGBL6016LMPCS	GGBL6016LMSBS	GGBL6016LMBMBS
	GGBL6022CSSS	GGBL6022CSSS	GGBL6022CPCS	GGBL6022CPCS	GGBL6022CSBS	GGBL6022CMBS
	GGBL6022LMSSS	GGBL6022LMSSS	GGBL6022LMSSS	GGBL6022LMPCS	GGBL6022LMSBS	GGBL6022LMMBS
	GGBL6032CSSS	GGBL6032CSSS	GGBL6032CPCS	GGBL6032CPCS	GGBL6032CSBS	GGBL6032CMBS
	GGBL6042CSSS	GGBL6042CSSS	GGBL6042CPCS	GGBL6042CPCS	GGBL6042CSBS	GGBL6042CMBS
	GGBL2010WSS	GGBL2010BSS	GGBL2010WPC	GGBL2010BPC	GGBL2010BSB	GGBL2010BMB
	GGBL2011WSS	GGBL2011BSS	GGBL2011WPC	GGBL2011BPC	GGBL2011BSB	GGBL2011BMB
	GGBL2014WHWSS	GGBL2014WHBSS	GGBL2014WHWPC	GGBL2014WHBPC	GGBL2014WHBSB	GGBL2014WHBMB

Lisse Screwless Deco

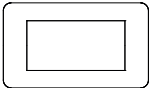
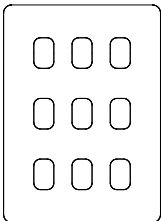
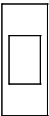
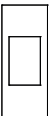
Selection Table

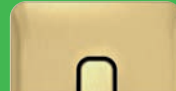
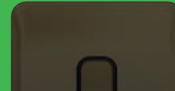
Product Type	Description
High current switches 	50A 1 gang DP switch with LED
	50A 2 gang DP switch with LED
	45A DP cooker control unit with 13A socket & LED
Fused connection units 	13A unswitched FCU
	13A unswitched with flex outlet
	13A DP switched
	13A DP switched with LED
	13A DP switched with flex outlet
Shaver sockets 	115/230V dual voltage
USB, Data, TV & Telephone outlets 	2 x USB charger outlets 3.1A shared
	RJ11
	BT master
	BT secondary
	Single RJ45 CAT 5e
	Twin RJ45 CAT 5e
	Single RJ45 CAT 6
	Twin RJ45 CAT 6
	Single TV-R co-axial
	Satellite "F" Type
	Media plate: 4 x 13A socket, 4 x 50x50mm euro mod cut-out
	Media plate mounting box 160 x 270 x 47mm
Euro plates & modules 	1 gang 50 x 25mm
	1 gang 50 x 50mm
	2 gang 50 x 100mm
	2 x RCA socket - 25 x 50mm
	2 x Loudspeaker socket - 25 x 50mm
	TV/Radio (diplexed) - 50 x 50mm
	Single IEC coax (female) - 25 x 50mm
	Single IEC coax (male) - 25 x 50mm
	HDMI 50 x 50mm
	Single F - 25 x 50mm
	TV/Sat diplexer 50 x 50mm

						
	Stainless Steel with White interior	Stainless Steel with Black interior	Polished Chrome with White interior	Polished Chrome with Black interior	Satin Brass with Black interior	Mocha Bronze with Black interior
	GGBL4011WSS	GGBL4011BSS	GGBL4011WPC	GGBL4011BPC	GGBL4011BSB	GGBL4011BMB
	GGBL4021WSS	GGBL4021BSS	GGBL4021WPC	GGBL4021BPC	GGBL4021BSB	GGBL4021BMB
	GGBL4001WSS	GGBL4001BSS	GGBL4001WPC	GGBL4001BPC	GBL4001BSB	GGBL4001BMB
	GGBL5000WSS	GGBL5000BSS	GGBL5000WPC	GGBL5000BPC	GBL5000BSB	GGBL5000BMB
	GGBL5003WSS	GGBL5003BSS	GGBL5003WPC			GGBL5
	GGBL5010WSS	GGBL5010BSS	GGBL5010WPC	GGBL5010BPC	GGBL5010BSB	GGBL5010BMB
	GGBL5011WSS	GGBL5011BSS	GGBL5011WPC	GGBL5011BPC	GGBL5011BSB	GGBL5011BMB
	GGBL5013WSS	GGBL5013BSS	GGBL5013WPC	GGBL5013BPC	GGBL5012BSB	GGBL5013BMB
	GGBL7090WSSS	GGBL7090BSSS	GGBL7090WPCS	GGBL7090BPCS	GGBL7090BSBS	GGBL7090BMBS
	GGBL70	GGBL7	GGBL	GGBL	GGBL700	GGBL7
	GGBL7051WSSS	GGBL7051BSSS	GGBL7051WPCS	GGBL7051BPC	GGBL7051BSB	GGBL7051BMBS
	GGBL7061WSS	GGBL7061BSS	GGBL7061WPC	GGBL7061BPC	GGBL7061BSB	GGBL7061BMB
	GGBL7062WSS	GGBL7062BSS	GGBL7062WPC	GGBL7062BPC	GBL7062BSB	GGBL7062BMB
	GGBL7071C5WSSS	GGBL7071C5BSSS	GGBL7071C5WPCS	GGBL7071C5BPCS	GGBL7071C5BSBS	GGBL7071C5BMBS
	GGBL7072C5WSSS	GGBL7072C5BSSS	GGBL7072C5WPCS	GGBL7072C5BPCS	GGBL7072C5BSBS	GGBL7072C5BMBS
	GGBL7071C6WSSS	GGBL7071C6BSSS	GGBL7071C6WPCS	GGBL7071C6BPCS	GGBL7071C6BSBS	GGBL7071C6BMBS
	GGBL7072C6WSSS	GGBL7072C6BSSS	GGBL7072C6WPCS	GGBL7072C6BPCS	GGBL7072C6BSBS	GGBL7072C6BMBS
	GGBL7010WSS	GGBL7010BSS	GGBL7010WPC	GGBL7010BPC	GGBL7010BSB	GGBL7010BMB
	GGBL7030WSS	GGBL7030BSS	GGBL7030WPC	GGBL7030BPC	GGBL7030BSB	GGBL7030BMB
	GGBL3020D8MPWSS	GGBL3020D8MPBSS	GGBL3020D8MPWPC	GGBL3020D8MPBPC	GGBL3020D8MPBSB	GGBL3020D8MPBMB
	GGBSB4724M	GGBSB4724M	GGBSB4724M	GGBSB4724M	GGBSB4724M	GGBSB4724M
	GGBL8050SS	GGBL8050SS	GGBL8050PC	GGBL8050PC	GGBL8050SB	GGBL8050MB
	GGBL8060SS	GGBL8060SS	GGBL8060PC	GGBL8060PC	GGBL8060SB	GGBL8060MB
	GGBL8080SS	GGBL8080SS	GGBL8080PC	GGBL8080PC	GGBL8080SB	GGBL8080MB
	GUE7000W	GUE7000B	GUE7000W	GUE7000B	GUE7000B	GUE7000B
	GUE7001W		GUE7001W			
	GUE7010W	GUE7010B	GUE7010W	GUE7010B	GUE7010B	GUE7010B
	GUE7011W	GUE7011B	GUE7011W	GUE7011B	GUE7011B	GUE7011B
	GUE7012W	GUE7012B	GUE7012W	GUE7012B	GUE7012B	GUE7012B
	GUE7020W	GUE7020B	GUE7020W	GUE7020B	GUE7020B	GUE7020B
	GUE7030W	GUE7030B	GUE7030W	GUE7030B	GUE7030B	GUE7030B
	GUE7040W	GUE7040B	GUE7040W	GUE7040B	GUE7040B	GUE7040B

Lisse Screwless Deco

Selection Table

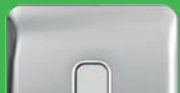
Product Type	Description
Euro plates & modules 	RJ11 modem - 25 x 50mm
	Telephone (BT master) - 25 x 50mm T
	Telephone (BT slave) - 25 x 50mm
	CAT5E - 25 x 50mm
	RJ45 CAT 6 - 25 x 50mm
	USB charger single 5V 2.1A 25 x 50mm
	USB charger twin 2 x 3.1A 50 x 50mm
	TV/Radio/Sat1 - (triplexed) 50 x 50mm
	TV/Radio/Sat1/Sat2 - (quadplexer) 50 x 50mm
	Brush outlet
	Blank 25 x 50mm
Grid Plates 	1 gang 88 x 88mm
	2 gang 88 x 88mm 7
	6 x 76 x 42mm mounting box
	3 gang 88 x 148mm
	4 gang 88 x 148mm
	136 x 76 x 42mm mounting box
	6 gang 156 x 156mm
	8 gang 156 x 156mm
	136 x 136 x 42mm mounting box
	9 gang 216 x 156mm 1
	2 gang 216 x 156mm
	193 x 133 x 42mm mounting box
Grid modules (fully assembled) 	10A 2 way retractive switch
	2 way retractive & centre off switch
	100W LED rotary dimmer
	20AX double-pole switch with neon
	20AX 2 way key switch
	20AX DP key switch printed TEST EMG LTG
	20AX DP key switch
	13A fuse carrier
	Green indicator
	Red indicator
	Orange indicator
	1A USB charger
	Blank
Grid modules (module & rocker cap separate) 	10AX 2 way 1
	0AX intermediate
	20AX 1 way
	20AX 2 way centre off
	20AX 2 way
	20AX DP
	Plain rocker cap
	Rocker cap printed Cooker Hood
	Rocker cap printed Dishwasher

     					
Stainless Steel with White interior	Stainless Steel with Black interior	Polished Chrome with White interior	Polished Chrome with Black interior	Satin Brass with Black interior	Mocha Bronze with Black interior
GUE7051W	GUE7051B	GUE7051W	GUE7051B	GUE7051B	GUE7051B
GUE7061W	GUE7061B	GUE7061W	GUE7061B	GUE7061B	GUE7061B
GUE7062WK	GUE7062BK	GUE7062WK	GUE7062BK	GUE7062BK	GUE7062BK
GUE7083W	GUE7083B	GUE7083W	GUE7083B	GUE7071B	GUE7083B
GUE7084W	GUE7084B	GUE7084W	GUE7084B	GUE7084W	GUE7084B
GUE7021W	GUE7021B	GUE7021W	GUE7021B	GUE7021B	GUE7021B
GUE7031W	GUE7031B	GUE7031W	GUE7031B	GUE7031B	GUE7031B
GUE7081W	GUE7081B	GUE7081W	GUE7081B	GUE7081B	GUE7081B
GUE7082W	GUE7082B	GUE7082W	GUE7082B	GUE7082B	GUE7082B
GUE7076N	GUE7076N	GUE7076N	GUE7076N	GUE7076N	GUE7076N
GUE8010W	GUE8010B	GUE8010W	GUE8010B	GUE8010B	GUE8010B
GGBL01GWSS	GGBL01GBSS	GGBL01GWPC	GGBL01GBPC	GGBL01GBSB	GGBL01GBMB
GGBL02GWSS	GGBL02GBSS	GGBL02GWPC	GGBL02GBPC	GGBL02GBSB	GGBL02GBMB
GBG01	GBG01	GBG01	GBG01	GBG01	GBG01
GGBL03GWSS	GGBL03GBSS	GGBL03GWPC	GGBL03GBPC	GGBL03GBSB	GGBL03GBMB
GGBL04GWSS	GGBL04GBSS	GGBL04GWPC	GGBL04GBPC	GGBL04GBSB	GGBL04GBMB
GBG02	GBG02	GBG02	GBG02	GBG02	GBG02
GGBL06GWSS	GGBL06GBSS	GGBL06GWPC	GGBL06GBPC	GGBL06GBSB	GGBL06GBMB
GGBL08GWSS	GGBL08GBSS	GGBL08GWPC	GGBL08GBPC	GGBL08GBSB	GGBL09GBMB
GBG03	GBG03	GBG03	GBG03	GBG03	GBG03
GGBL09GWSS	GGBL09GBSS	GGBL09GWPC	GGBL09GBPC	GGBL09GBSB	GGBL09GBMB
GGBL12GBSS	GGBL12GBSS	GGBL12GWPC	GGBL12GBPC	GGBL12GBSB	GGBL12GBMB
GBG04F	GBG04F	GBG04F	GBG04F	GBG04F	GBG04F
GGBL102RSS	GGBL102RSS	GGBL102RPC	GGBL102RPC	GGBL102RSB	GGBL102RMB
GGBL202OCSS	GGBL202OCSS	GGBL202OCPC	GGBL202OCPC	GGBL202OCB	GGBL202OCMB
GGBLGRDIMLSS	GGBLGRDIMLSS	GGBLGRDIMLPC	GGBLGRDIMLPC	GGBLGRDIMLSB	GGBLGRDIMLMB
GGBLG2011SS	GGBLG2011SS	GGBLG2011PC	GGBLG2011PC		GGBLG2011MB
GGBL202KSS	GGBL202KSS	GGBL202KPC	GGBL202KPC		GGBL202KMB
GGBL20DPKELSS	GGBL20DPKELSS	GGBL20DPKELPC	GGBL20DPKELPC		GGBL20DPKELPC
GGBL20DPKSS	GGBL20DPKSS	GGBL20DPKPC	GGBL20DPKPC	GGBL20DPKSB	GGBL20DPKMB
GGBL13FCUWSS	GGBL13FCUBSS	GGBL13FCUWPC	GGBL13FCUBPC	GGBL13FCUBSB	GGBL13FCUBMB
GGBLINDWG		GGBLINDWG			
GGBLINDWR		GGBLINDWR			
GGBLINDWO		GGBLINDWO			
GGBLE7014	GGBLE7004B	GGBLE7014	GGBLE7004B	GGBLE7004B	GGBLE7004B
GGBLBSS	GGBLBSS	GGBLBPC	GGBLBPC	GGBLBBSB	GGBLBMB
GGBL102M	GGBL102M	GGBL102M	GGBL102M	GGBL102M	GGBL102M
GGBL10IM	GGBL10IM	GGBL10IM	GGBL10IM	GGBL10IM	GGBL10IM
GGBL201M	GGBL201M	GGBL201M	GGBL201M	GGBL201M	GGBL201M
GGBL2020M	GGBL2020M	GGBL2020M	GGBL2020M	GGBL2020M	GGBL2020M
GGBL202M	GGBL202M	GGBL202M	GGBL202M	GGBL202M	GGBL202M
GGBL20DPM	GGBL20DPM	GGBL20DPM	GGBL20DPM	GGBL20DPM	GGBL20DPM
GGBLRSS	GGBLRSS	GGBLRPC	GGBLRPC	GGBLRBSB	GGBLRMB
GGBLRCHSS	GGBLRCHSS	GGBLRCHPC	GGBLRCHPC	GGBLRCHSB	GGBLRCHMB
GGBLRDWSS	GGBLRDWSS	GGBLRDWPC	GGBLRDWPC	GGBLRDWBSB	GGBLRDWMB

Lisse Screwless Deco

Selection Table

Product Type	Description
Grid modules (module & rocker cap separate) 	Rocker cap printed Extractor Fan
	Rocker cap printed Fan
	Rocker cap printed Fridge Freezer
	Rocker cap printed Fridge
	Rocker cap printed Freezer
	Rocker cap printed Hob
	Rocker cap printed Heater
	Rocker cap printed Microwave
	Rocker cap printed Oven
	Rocker cap printed Tumble Dryer
	Rocker cap printed Boiler
	Rocker cap printed MVHR
	Rocker cap printed Washing Machine
Blank plates 	1 gang blank plate
	2 gang blank plate
Spares	M3.5 x 25mm screws
	M3.5 x 50mm screws
	1 gang spacer frame
	2 gang spacer frame
	Grid insert
	Grid insert for USB module
	LED indicator module

						
	Stainless Steel with White interior	Stainless Steel with Black interior	Polished Chrome with White interior	Polished Chrome with Black interior	Satin Brass with Black interior	Mocha Bronze with Black interior
	GGBLREFSS	GGBLREFSS	GGBLREFPC	GGBLREFPC	GGBLREFSB	GGBLREFMB
	GGBLRFASS	GGBLRFASS	GGBLRFAPC	GGBLRFAPC	GGBLRFASB	GGBLRFAMB
	GGBLRFFZSS	GGBLRFFZSS	GGBLRFFZPC	GGBLRFFZPC	GGBLRFFZSB	GGBLRFFZMB
	GGBLRFRSS	GGBLRFRSS	GGBLRFRPC	GGBLRFRPC	GGBLRFRSB	GGBLRFRMB
	GGBLRFZSS	GGBLRFZSS	GGBLRFZPC	GGBLRFZPC	GGBLRFZSB	GGBLRFZMB
	GGBLRHOSS	GGBLRHOSS	GGBLRHOPC	GGBLRHOPC	GGBLRHOSB	GGBLRHOMB
	GGBLRHTSS	GGBLRHTSS	GGBLRHTPC	GGBLRHTPC	GGBLRHTSB	GGBLRHTMB
	GGBLRMWSS	GGBLRMWSS	GGBLRMWPC	GGBLRMWPC	GGBLRMWSB	GGBLRMWMB
	GGBLROVSS	GGBLROVSS	GGBLROVPC	GGBLROVPC	GGBLROVSB	GGBLROVMB
	GGBLRTDSS	GGBLRTDSS	GGBLRTDPC	GGBLRTDPC	GGBLRTDSB	GGBLRTDMB
	GGBLRBOSS	GGBLRBOSS	GGBLRBOPC	GGBLRBOPC	GGBLRBOSB	GGBLRBOMB
	GGBLRMVHRSS	GGBLRMVHRSS	GGBLRMVHRPC	GGBLRMVHRPC	GGBLRMVHRSB	GGBLRMVHRMB
	GGBLRWMSS	GGBLRWMSS	GGBLRWMPC	GGBLRWMPC	GGBLRWMSB	GGBLRWMMB
	GGBL8010SSS	GGBL8010SSS	GGBL8010PCS	GGBL8010PCS	GGBL8010SBS	GGBL8010MBS
	GGBL8020SSS	GGBL8020SSS	GGBL8020PCS	GGBL8020PCS	GGBL8020SBS	GGBL8020MBS
	3746130	3746130	3746130	3746130	3746130	3746130
	USCREW50SS	USCREW50SS	USCREW50SS	USCREW50SS	USCREW50SS	USCREW50SS
	GGBLSPC1S	GGBLSPC1BS	GGBLSPC1S	GGBLSPC1BS	GGBLSPC1BS	GGBLSPC1BS
	GGBLSPC2S	GGBLSPC2BS	GGBLSPC2S	GGBLSPC2BS	GGBLSPC2BS	GGBLSPC2BS
	GGBLSR7004W	GGBLSR7004B	GGBLSR7004W	GGBLSR7004B	GGBLSR7004B	GGBLSR7004B
	GGBLSRU7004W	GGBLSRU7004B	GGBLSRU7004W	GGBLSRU7004B	GGBLSRU7004B	GGBLSRU7004B
	GGBLSIND	GGBLSIND	GGBLSIND	GGBLSIND	GGBLSIND	GGBLSIND



Schneider
Electric
IP66

Sockets

Pre scored 20mm cut outs
Ample cutouts positioned on all sides of the enclosures. Suitable for both 20 & 25mm conduit.



IP66



Secure locking catch
Positive locking mechanism



Optimum positioned fixings and seals
Maintains IP66 & avoids any additional sealing



Accommodates Lisse Moulded Accessories
Proven quality and performance on every installation



Flexible cable entry points
All socket outlets incorporate extended access for 13A plugs as well as flexible cable seals for dust and water tight seal.

Additional locking option for added security



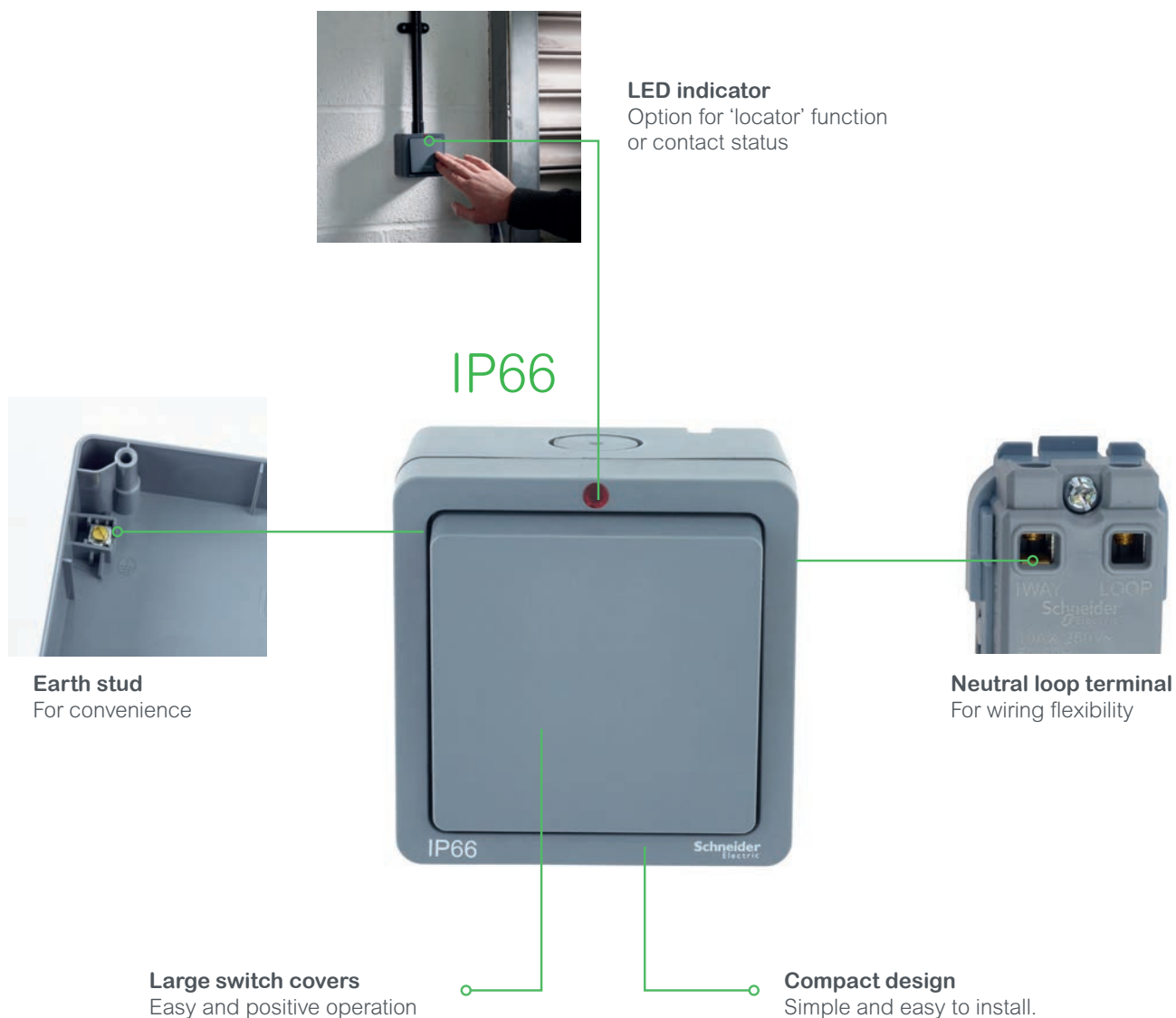
Multi-use Enclosures

Supplied ready to assemble
Enabling bespoke combinations assembled on site



Single or twin option

Switches



Multi-use Enclosures

Supplied ready to assemble
Enable a combination of switch modules to be fitted.



Socket outlets

13A 1 gang switched



Product code	Description	Pack qty
LWP3010	1 gang switched 13A socket	1
LWP3010E	1 gang switched 13A socket (external switch)	1

13A 2 gang switched



Product code	Description	Pack qty
LWP3020	2 gang switched 13A socket	1

2 gang 30mA RCD protected



Product code	Description	Pack qty
LWP3020R	2 gang non latching RCD - active	1

Fused connection units

13A double pole switched



Product code	Description	Pack qty
LWP5010	13A double pole switched fused connection unit	1

Multi-use Enclosures



Product code	Description	Pack qty
LWP9010	1 gang multi use enclosure	1
LWP9020	2 gang multi use enclosure	1

Switches

10AX 1 gang 2 way



Product code	Description	Pack qty
LWP1612	1 gang 2 wav 10AX switch	1
LWP1614M	1 gang intermediate switch module 10AX	1

10AX 2 gang 2 way



Product code	Description	Pack qty
LWP1622	2 gang 2 wav 10 AX switch	1

10AX 1 gang retractive



Product code	Description	Pack qty
LWP1012RB	1 gang retractive switch with bell symbol	1
LWP1012RP	1 gang retractive switch marked press	1

20AX double pole switched with LED



Product code	Description	Pack qty
LWP2011	20AX DP switch with LED indicator	1

Multi-use Enclosures and Modules

Enclosure



Product code	Description	Pack qty
LWPIUKIT	2 gang switch enclosure (includes 2 x 1 gang dolly, 1 x blank dolly and 1 x LED)	1

Switch modules



Product code	Description	Pack qty
LWP1612M	2 way switch module 10AX	1
LWP1012RM	Retractive switch module 10AX	1
LWP1614M	Intermediate 10AX	1
LWP2010M	DP switch module 20AX	1

Technical

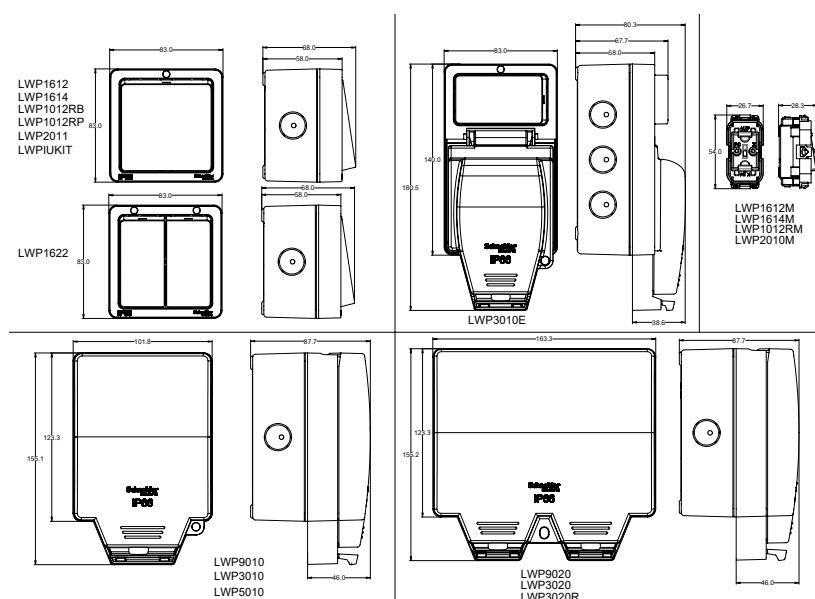
Dimensions

Product code	Description	Length (mm)	Width (mm)	Depth (mm)
Socket Outlets				
LWP3010	13A 1 gang switched	155	102	88
LWP3010E	13A 1 gang switched with external switch	180.5	83.0	80.5
LWP3020	13A 2 gang switched	155	163.5	88
RCD protected socket outlet with twin 13A socket outlets - active operation				
LWP3020R	2 gang double pole - Active control	155	163.5	88
Fused Connection Unit				
LWP5010	13A double pole switched fused connection unit	155	102	88
10AX Switches				
LWP1612	1 gang 2 way	83	83	68
LWP1622	2 gang 2 way	83	83	68
LWP1012RB	10AX 1 gang retractive printed 'bell symbol'	83	83	68
LWP1012RP	10AX 1 gang retractive printed 'press'	83	83	68
LWP1614	1 gang intermediate	83	83	68
20A DP Control Switch				
LWP2011	20AX double pole 1 gang switch with LED	83	83	68
Multi use enclosures (Accepts Lisse Moulded Accessories)				
LWP9010	Enclosure for 1 gang Lisse White Moulded	155	102	88
LWP9020	Enclosure for 2 gang Lisse White Moulded	155	163.5	88
1/2 Gang Multi Use Switch Enclosure				
LWPIUKIT	2 gang switch enclosure (includes 2 x 1 gang dolly, 1 x blank dolly and 1 x LED)	83	83	68
Optional Grid Modules - for use with IP66 multi use switch enclosure				
LWP1612M	10AX 1 gang 2 way	54	27	28.5
LWP1012RM	10AX 1 gang retractive	54	27	28.5
LWP1614M	10AX 1 gang intermediate	54	27	28.5
LWP2010M	20AX 1 gang double pole	54	27	28.5

Technical

Knockouts

Product code	No. of cable entry points	
	20mm	25mm
Socket Outlets		
LWP3010	5	1
LWP3010E, LWP3020	9	1
RCD protected socket outlet with twin 13A socket outlets - active operation		
LWP3020R	9	1
Fused Connection Unit		
LWP5010	5	1
10AX switches		
LWP1612, LWP1622, LWP1012RB, LWP1012RP, LWP1614	5	1
20A DP Control Switch		
LWP2011	5	1
Multi use enclosures (Accepts Lisse White Moulded Accessories)		
LWP9010	5	1
LWP9020	9	1
1/2 Gang Multi Use Switch Enclosure		
LWPIUKIT	5	1
Optional Grid Modules - for use with IP66 multi use switch enclosure		
LWP1612M, LWP1012RM, LWP1614M, LWP2010M	NA	NA

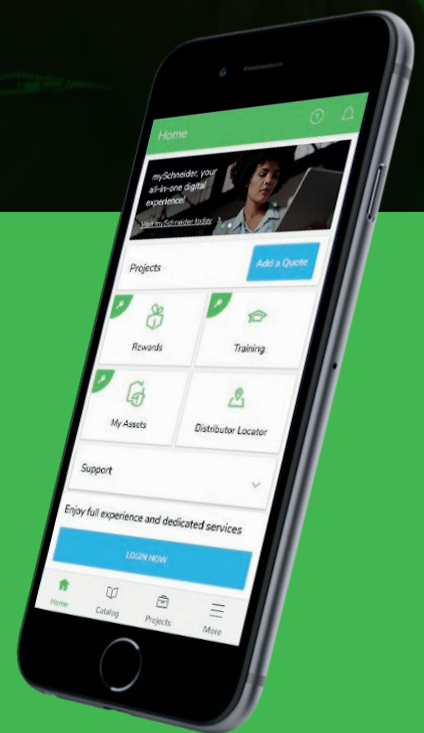




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Schneider Electric

Schneider Electric UK
Stafford Park 5
Telford, Shropshire,
TF3 3BL

www.se.com/uk

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