

Lumo[®]

RESIDENTIAL DISTRIBUTION CATALOGUE

STRENGTH • RELIABILITY • POWER



UK
CA CE

CPN
CUZIS

1 ABOUT CPN CUDIS

Cudis have been at the forefront of the electrical industry, supporting the trade for over 20 years.

Over the years we have created a diverse product portfolio that covers many of the areas required on a general residential installation.

Cudis understands that being a good supplier means more than just having a good quality product so we offer:

- Excellent customer service and technical support
- A simplified product offering
- Competitive pricing
- Marketing and wholesaler event support



Denotes Bi-direction function

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LUMO® CONSUMER UNIT

The Cudis LUMO metal consumer unit, featuring the popular LED, are offered along with a comprehensive range of circuit protection devices and accessories.

LUMO units have been developed with installers in mind and has modern styling and innovative features.

LUMO® DESIGN FEATURES

- Main switch (model dependent)
- Type 2 surge protection (model dependent)
- Steel construction
- Powder coated
- IP3X
- Multiple knockouts including rear
- Label and instruction sheets
- Accessory pack
- Retaining lid screws
- Raised DIN rail
- Earth and neutral terminal bars
- Spirit level
- Captive screws
- Conforms to BS EN 61439-3 including Annex ZB (independently tested)
- UKCA and CE certified
- 18th Edition compliant
- 5 year warranty



INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE, SEE CUDIS TERMS AND CONDITIONS,
FOR ADDITIONAL INFORMATION REFER TO THE APPLICABLE STANDARDS

EARTH TERMINAL BAR

Each board version has its own number and colour coded Earth bar configuration, to ensure best practices are maintained during installation

COMBI-HEAD SCREWS

KNOCKOUTS

Multiple cable entry knockouts of various sizes on all faces of the base unit, to ensure installation flexibility

All boards: 20, 32 & 40mm
10 to 22 module boards: also have 25mm

SPACE

Increased space in all areas to ensure simplified and efficient installation

END STOPS

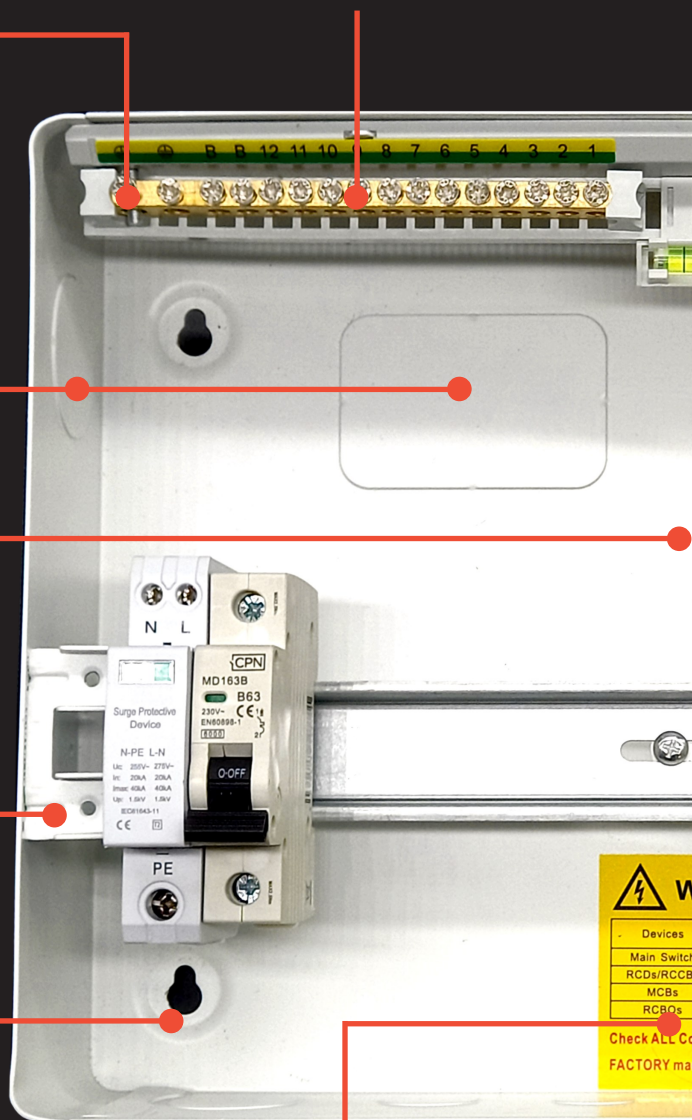
End stops to ensure perfect component lid alignment

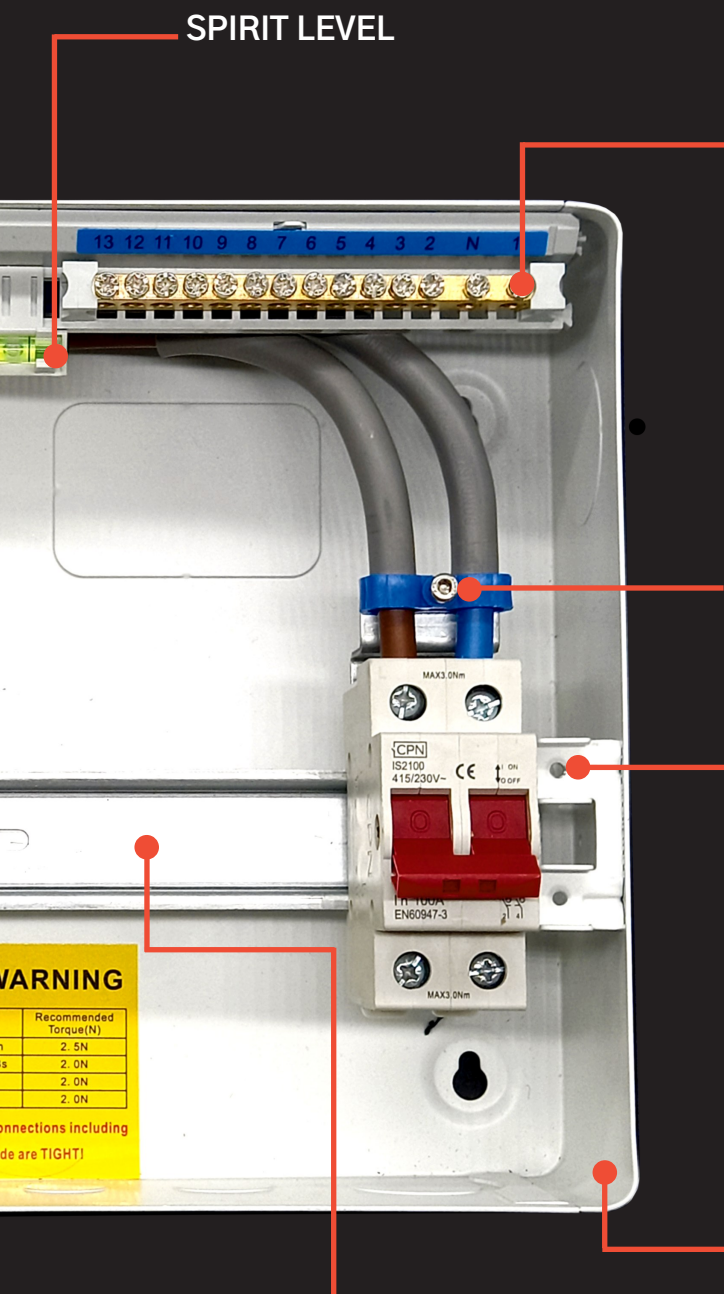
KEYHOLE FIXINGS

Raised key hole mounting holes aid with fitment, even on uneven surfaces

LABELLING

Warning labelling, including torque information





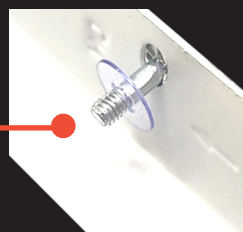
SPIRIT LEVEL

NEUTRAL TERMINAL BAR

Each board version has its own number and colour coded Neutral bar configuration, to ensure best practices are maintained during installation

MAINS TAILS CLAMP

(sold separately)



RETAINING LID SCREWS

To avoid lost screws and ease installation

CONSTRUCTION

Non-combustible all steel robust construction

DIN RAIL

Raised, easy to remove, DIN rail to ensure cabling convenience



LUMO[®] TYPE 2 SURGE PROTECTION UNITS

Standard versions contain:

- Main switch – IS2100 (see page 29)
- Type 2 surge protection device – T21PNSM (see page 20)
- Type 2 SPD wiring kit – live, neutral and earth
- MCB – MD163B (see page 24)



Part Number	Useable Ways
LUMO18SP	18
LUMO14SP	14
LUMO10SP	10
LUMO6SP	6
LUMO4SP	4
LUMO2SP	2



LUMO® MAIN SWITCH INCOMER UNITS

Standard versions contain:

- Main switch – IS2100 (see page 29)



Part Number	Useable Ways
LUMO20M	20
LUMO16M	16
LUMO12M	12
LUMO8M	8
LUMO6M	6
LUMO4M	4
LUMO2M	2

Lumo®



7 LUMO® EMPTY UNITS



Part Number	Useable Ways
LUMO22X	22
LUMO18X	18
LUMO14X	14
LUMO10X	10
LUMO8X	8
LUMO6X	6
LUMO4X	4



DOUBLE STACKED CONSUMER UNITS

Standard versions contain:

- 2 x main switch – IS2100 (see page 29)

Surge protection versions also contain:

- 1 x protective MCB – MD163B (see page 24)
- 1 x Type 2 surge protection device – T21PNSM (see page 20)



Part Number	Included Devices	Useable Ways
MCU28	IS2100	24
MCU36	IS2100	32
MCU28SP	IS2100 x2 + T21PNSM x2 + MD163B x2	20
MCU36SP	IS2100 x2 + T21PNSM x2 + MD163B x2	28

METAL GARAGE UNITS & ENCLOSURES



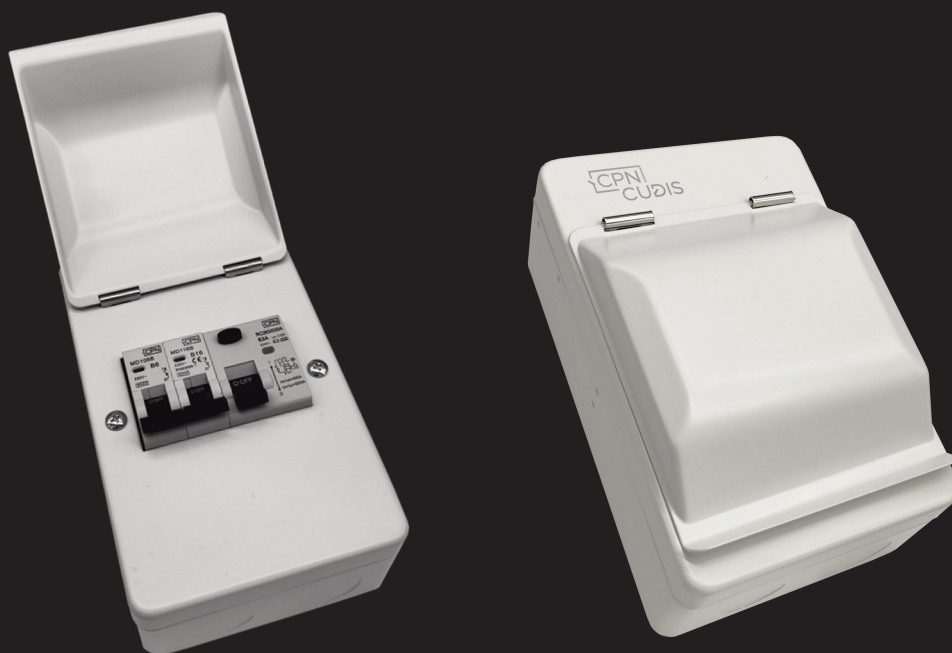
Part Number	Included Devices	Lid	Useable Ways
G2U	—	N	2
G3U	—	N	3
G4U	—	N	4
G4X	—	Y	4
G4FB2	63A 30mA Type A RCD + 2 FOC MCB	Y	0
G4616	63A 30mA Type A RCD + 6A & 16A MCB	Y	0
G440	63A 30mA Type A RCD + 40A MCB	Y	1

Other variants available, please contact our sales team for more information

- RCD – see page 21
- MCB – see page 24



COMPACT METAL GARAGE UNITS & ENCLOSURES



Part Number	Included Devices	Useable Ways
EV2X	—	2
EV4X	—	4
EV5X	—	5
EV4FB2	63A 30mA Type A RCD + 2 FOC MCB	0
EV4616	63A 30mA Type A RCD + 6A & 16A MCB	0
EV440	63A 30mA Type A RCD + 40A MCB	1
EV4B40	63A 30mA Type B RCD + 40A MCB	1

Other variants available, please contact
our sales team for more information

- RCD – see page 21 and 23
- MCB – see page 24



METAL SWITCH FUSE UNIT

Standard versions contain:

- Main switch – IS2100
- Fuse holder – FH1100
- 60A gG Fuse—gG60
- 80A gG Fuse – gG80
- 100A gG Fuse – gG100



Part Number	Useable Ways
MFS	0
FH1100	—
FUSE100	—
FUSE80	—
FUSE60	—



IP65 GARAGE UNITS & ENCLOSURES

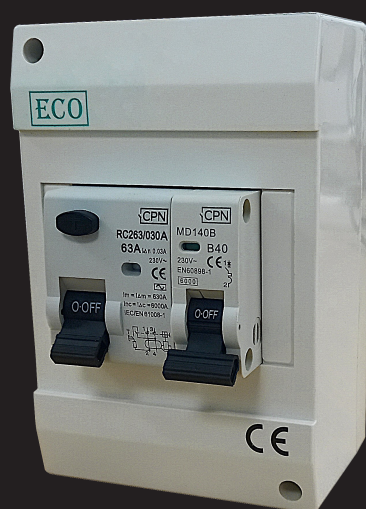


Part Number	Included Devices	Useable Ways
CU03X	—	3
CU04X	—	4
CU05X	—	5
CU08X	—	8
CU0340	63A 30mA Type A RCD + 40A MCB	0
CU0350	63A 30mA Type A RCD + 50A MCB	0
CU05620	63A 30mA Type A RCD + 6A & 20A MCB	1
CU05616	63A 30mA Type A RCD + 6A & 16A MCB	1
CU05632	63A 30mA Type A RCD + 6A & 32A MCB	1

- RCD – see page 21
- MCB – see page 24

Other variants available, please contact our sales team for more information

IP40 GARAGE UNITS & ENCLOSURES



Part Number	Included Devices	Lid	Useable Ways
ECU02UX	—	N	2
ECU04UX	—	N	4
ECU04X	—	Y	4
ECU06X	—	Y	6
ECU08X	—	Y	8
ECU0440	63A 30mA Type A RCD + 40A MCB	Y	1
ECU06620	63A 30mA Type A RCD + 6A & 20A MCB	Y	2

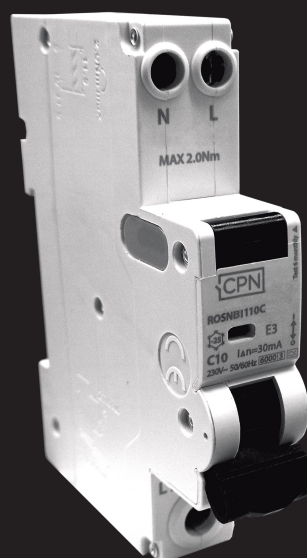
Other variants available, please contact our sales team for more information

- RCD – see page 21
- MCB – see page 24



BI-DIRECTIONAL RCBO

- Single module, miniature size
- 6kA breaking capacity
- Type A
- 30mA
- Switched live and neutral
- B and C curves
- Conforms to BS EN 61009-1



Part Number	Description
ROSNBI106~	6A
ROSNBI110~	10A
ROSNBI116~	16A
ROSNBI120~	20A
ROSNBI125~	25A
ROSNBI132~	32A
ROSNBI140~	40A

Replace ~ with B or C for trip curve
e.g. ROSNBI106C

UNI-DIRECTIONAL RCBO

- Single module, miniature size
- 6kA breaking capacity
- Type A
- 30mA
- Switched live and neutral
- B and C curve
- Conforms to BS EN 61009-1



Part Number	Description
ROSN-106~/030A	6A
ROSN-110~/030A	10A
ROSN-116~/030A	16A
ROSN-120~/030A	20A
ROSN-125~/030A	25A
ROSN-132~/030A	32A
ROSN-140~/030A	40A

Replace ~ with B or C for trip curve
e.g. ROSN-106C/030A



ARC FAULT DETECTION RCBO

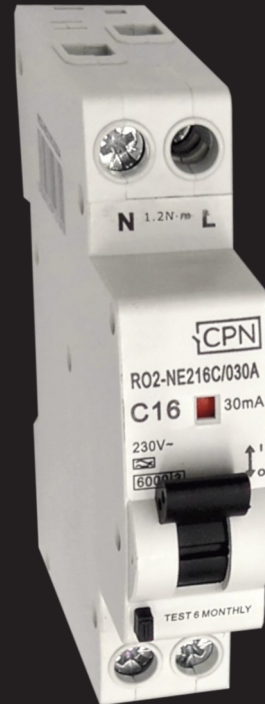
- Combination of AFDD, RCD and MCB
- Single module
- 2 pole
- 6kA breaking capacity
- Type A
- 30mA
- B Curve
- Switched live and neutral
- Conforms to BS EN 62606 and BS EN 61009-1



Part Number	Description
AFD06B	6A
AFD10B	10A
AFD16B	16A
AFD20B	20A
AFD32B	32A
AFD40B	40A

DOUBLE POLE RCBO

- Single module, 2 pole MCB sized RCBO
- 6kA breaking capacity
- Type A
- 30mA
- C curve
- Ideal for when L & N disconnection is required
- Conforms to BS EN 61009-1

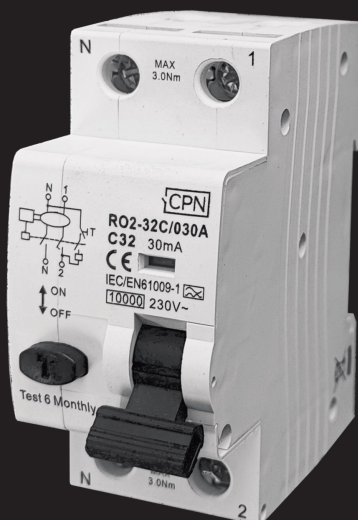


Part Number	Description
RO2-NE206C/030A	6A
RO2-NE210C/030A	10A
RO2-NE216C/030A	16A
RO2-NE225C/030A	25A
RO2-NE232C/030A	32A
RO2-NE240C/030A	40A



2 MODULE RCBO

- Electro-magnetic
- 10kA breaking capacity
- Switched live and neutral
- Type A
- 30mA
- B or C curves
- Conforms to BS EN 61009-1



Part Number	Description
R0206~	6A
R0210~	10A
R0216~	16A
R0220~	20A
R0225~	25A
R0232~	32A
R0240~	40A
R0250~	50A
R0263~	63A

Replace ~ with B or C for trip curve
e.g. R0206C

2 MODULE ELECTRONIC RCBO

- Electronic
- 10kA breaking capacity
- Switched live and neutral
- Type A
- 30mA
- B or C curves
- Can accept normal and forked busbar
- Conforms to BS EN 61009-1



Non forked variants available

Part Number	Description
RO2SNF06~	6A
RO2SNF10~	10A
RO2SNF16~	16A
RO2SNF20~	20A
RO2SNF32~	32A
RO2SNF40~	40A

Replace ~ with B or C for trip curve
e.g. RO2SNF06C

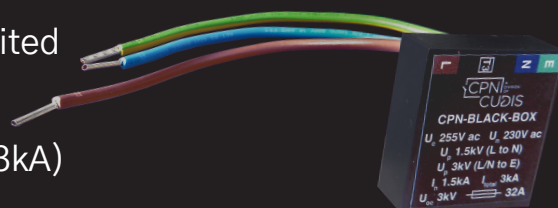


SURGE PROTECTION DEVICES

- Type 1: Install at supply origin or incoming power supply panel. Direct strike protection of buildings with lightning protection systems.
25kA (10/350s) per pole.
- Type 1+2: Install in the incoming supply panels / consumer units. Indirect strike protection of buildings with class 3 to 4 lightning protection systems and those with overhead cable supply.
12.5kA (10/350s) and 30kA (8/20s) per pole.
- Type 2: Install in the incoming supply panels / consumer units. Low likelihood of lightning strike.
20kA (max 40kA) (8/20s) per pole.
- Type 3: Individual equipment protection. Suited to protect ring mains and individual sockets, switch fuse spurs etc.
Nom discharge current 1.5kA (max 3kA)
- Conforms to BS EN 61643-11
- Recommended installation with a 63A MCB (not Type 3 versions)



• Model shown: T21PNSM



• Model shown: T3

Part Number	Earthing Arrangement	Type	Module Width
T11PN	TN-C-S, TN-S, TT	1	4
T121PN	TT	1+2	2
T122P	TN-S	1+2	2
T121P	TN-C-S	1+2	1
T21PN	TT	2	2
T22P	TN-S	2	2
T21P	TN-C-S	2	1
T21PNSM	TN-C-S, TN-S, TT	2	1
T3	TN-C-S, TN-S, TT	3	—

N.B. Cudis recommend that this device is used in conjunction with a 63A rated over current device.
SPDs do not draw current during normal non-transient operation.



2 MODULE 30mA TYPE A RCD

- Electro-magnetic
- Function as an isolator
- 6kA breaking capacity
- Type A
- 30mA
- Switched live and neutral
- Conforms to BS EN 61008-1
- Time delay available



Part Number	Current Rating	Time Delay
RC225	25A	
RC240	40A	
RC263	63A	
RC280	80A	
RC2100	100A	
RC225SI	25A	Y
RC240SI	40A	Y
RC263SI	63A	Y
RC280SI	80A	Y
RC2100SI	100A	Y



2 MODULE 100mA & 300mA TYPE A RCD

- Electro-magnetic
- Function as an isolator
- 6kA breaking capacity
- Type A
- Switched live and neutral
- Conforms to BS EN 61008-1
- Time delay available



Part Number	Current Rating	Fault Current	Time Delay
RC225/100A	25A	100mA	
RC240/100A	40A	100mA	
RC263/100A	63A	100mA	
RC280/100A	80A	100mA	
RC2100/100A	100A	100mA	
RC2100/100ASI	100A	100mA	Y
RC225/300A	25A	300mA	
RC240/300A	40A	300mA	
RC263/300A	63A	300mA	
RC280/300A	80A	300mA	
RC2100/300A	100A	300mA	
RC2100/300ASI	100A	300mA	Y

2 MODULE TYPE B RCD

- Electro-magnetic
- Function as an isolator
- 6kA breaking capacity
- Type B
- 30mA and 300mA
- Switched live and neutral
- Conforms to BS EN 61008-1 and BS EN 62423



Part Number	Current Rating	Fault Current
RC225B	25A	30mA
RC240B	40A	30mA
RC263B	63A	30mA
RC263B300	63A	300mA



MD SINGLE MODULE MCB

- 6kA breaking capacity
- Single module
- B Curve
- Conforms to BS EN 60898-1



Part Number	Current Rating
MD102B	2A
MD104B	4A
MD106B	6A
MD110B	10A
MD116B	16A
MD120B	20A
MD125B	25A
MD132B	32A
MD140B	40A
MD150B	50A
MD163B	63A



MC SINGLE MODULE MCB

- 6kA breaking capacity
- Single module
- B, C or D curve
- Conforms to BS EN 60898-1



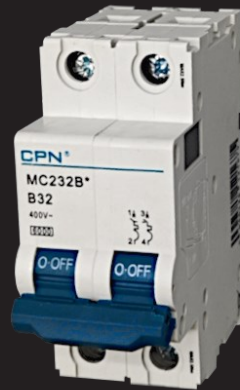
Part Number	Current Rating
MC102~	2A
MC104~	4A
MC106~	6A
MC110~	10A
MC116~	16A
MC120~	20A
MC125~	25A
MC132~	32A
MC140~	40A
MC150~	50A
MC163~	63A

Replace ~ with B, C or D for trip curve
e.g. MC102D



MC 2 MODULE MCB

- 6kA breaking capacity
- 2 module
- B, C or D curves
- Conforms to BS EN 60898-1



Part Number	Current Rating
MC202~	2A
MC204~	4A
MC206~	6A
MC210~	10A
MC216~	16A
MC220~	20A
MC225~	25A
MC232~	32A
MC240~	40A
MC250~	50A
MC263~	63A

Replace ~ with B, C or D for trip curve

e.g. MC202D



MH SINGLE MODULE MCB

- 10kA breaking capacity
- Single module
- B, C or D curves
- Conforms to BS EN 60898-1



Part Number	Current Rating
MH102~	2A
MH104~	4A
MH106~	6A
MH110~	10A
MH116~	16A
MH120~	20A
MH125~	25A
MH132~	32A
MH140~	40A
MH150~	50A
MH163~	63A

Replace ~ with B, C or D for trip curve

e.g. MH102D



MH 2 MODULE MCB

- 10kA breaking capacity
- 2 module
- B, C or D curves
- Conforms to BS EN 60898-1



Part Number	Current Rating
MH202~	2A
MH204~	4A
MH206~	6A
MH210~	10A
MH216~	16A
MH220~	20A
MH225~	25A
MH232~	32A
MH240~	40A
MH250~	50A
MH263~	63A

Replace ~ with B, C or D for trip curve

e.g. MH202D



MB MCB

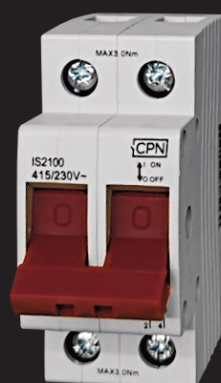
- High current rated MCB
- 10kA breaking capacity
- C curve
- For use in DIN rail enclosures
- Conforms to BS EN 60898-1



Part Number	Current Rating	Modular Width
MB280B	80A	3
MB280C	80A	3
MB2100B	100A	3

MAIN SWITCH ISOLATORS

- 6kA breaking capacity
- 2 module
- Conforms to BS EN 60947-1



Part Number	Description
IS2100	100A
IS2125	125A



MODULAR CONTACTOR

- Electro-magnetic, hum free operation
- 220/240Vac operating coil
- 250Vac rated contacts
- N/O contacts
- 1 module version supplied with heat dissipation spacer
- Conforms to BS EN 61095 & BS EN 60947-1



Part Number	Module Width	No of Poles	Current Rating
MODC2/20	1	2	20A
MODC2/40	2	2	40A

24 HOUR MECHANICAL TIMER

Part Number	Current Rating	Timer Sections
24HT	16A	96x15 minute

- Single module
- Conforms to BS EN 60730-1 & BS EN 60730-2-7
- 1 N/O contact



7 DAY DIGITAL TIMER

Part Number	Current Rating	Timer Sections
7DT	16A	7 day, 24 hour

- 2 module
- Conforms to BS EN 60730-1 & BS EN 60730-2-7
- 1 N/O & 1N/C contact



STAIRCASE MECHANICAL TIMER

Part Number	Current Rating	Timer Sections
SCT	16A	30sec to 20min

- 2 module
- Conforms to BS EN 60730-1 & BS EN 60730-2-7
- 1 N/O





RCD SOCKETS and SPURS

- 13A
- Type A
- 30mA
- Passive latching
- Metal and plastic versions
- Conforms to BS 7288:2016 & BS 1363



Part Number

Description

SMR2

Metal, 2 gang socket

SPR2

Plastic, 2 gang socket

SUM

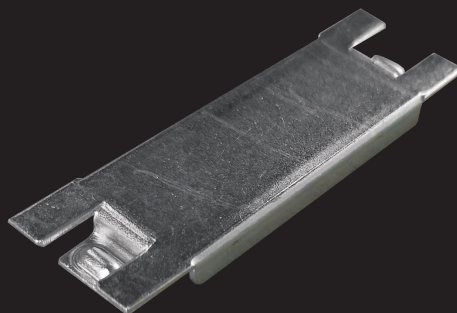
Metal, spur

SUP

Plastic, spur

MODULE BLANKS

- Metal and plastic version
- Lid mount version
- DIN rail version



Part Number	Description
MBLANK	Metal, lid mount blank, 6 pieces
PBLANK	Plastic, lid mount blank, strip of 6
MODBLANK	Plastic, DIN rail mount, 1 pc

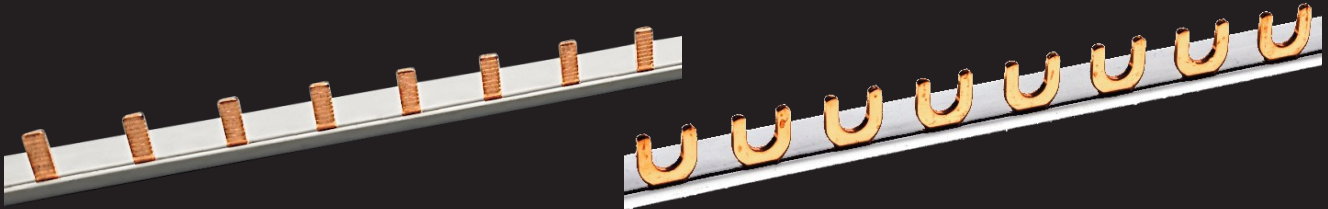
GLANDS and GROMMETS



Part Number	Description
32GY	32mm Tails Gland Grey – 25mm ² L&N+16mm ² Earth
40BL	40mm Tails Gland Black – 25mm ² L&N+16mm ² Earth
40BR	40mm Tails Gland Bronze – 25mm ² L&N+16mm ² Earth
40GY	40mm Tails Gland Grey – 25mm ² L&N+16mm ² Earth
GRM-PACK	Grommet Pack – 8xM20, 3xM25, 3xM32



1 POLE BUSBAR



Part Number

Description

BB163

1 pole, 63A, 1 metre

BB163F

1 pole, 63A, 1 metre, forked

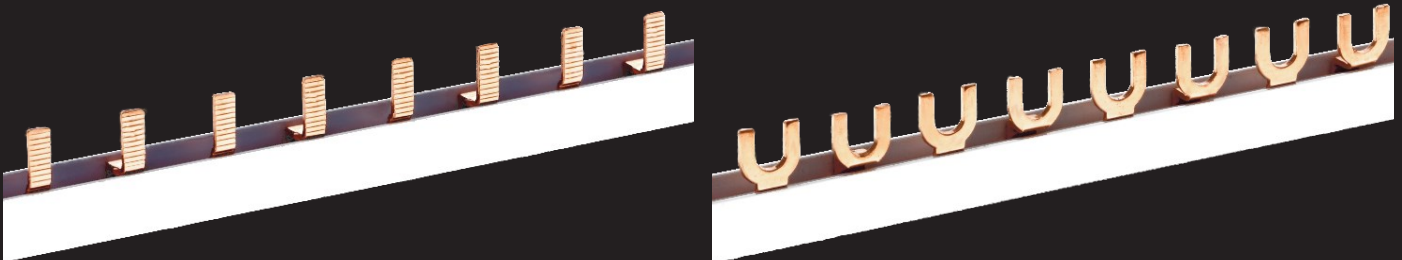
BB1100

1 pole, 100A, 1 metre

BB1E

1 pole end cap

2 POLE BUSBAR



Part Number

Description

BB263

2 pole, 63A, 1 metre

BB263F

2 pole, 63A, 1 metre, forked

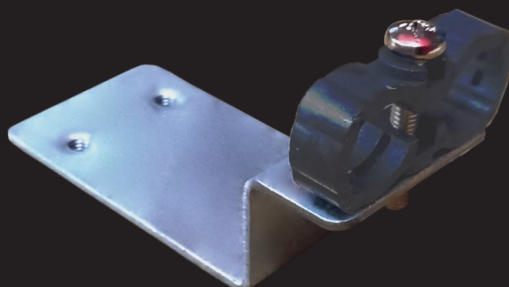
BB2100

2 pole, 100A, 1 metre

BB2E

2 pole end cap

MAINS TAILS CLAMP



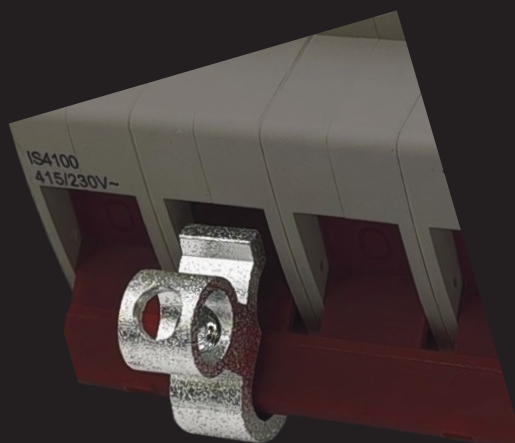
Part Number

TMTC

Description

Mains Tails Clamp

LOCKING KITS



Part Number

PL1

Single toggle device locking kit, with padlock

PL2

Universal locking adaptor, without padlock



SPD WIRING KITS



Part Number

Description

1PH1	Type 1+2 & Type 2, 16mm ² (LN&E), 2 pin busbar
1PH2	Type 1+2 & Type 2, 16mm ² (LN&E), 2 pin busbar, 63A MCB
1PH3	Type 2, 6mm ² (E), 2.5mm ² (L&N), 2 pin busbar, 63A MCB

CONSUMER UNIT REAR PATTRESSES



Part Number

Description

PATT

Pattress for all sizes of Lumo boards

SURFACE MOUNT FLUSH FIT FRAMES



Part Number

Description

FF22

Flush fit frame for 22 module board

FF18

Flush fit frame for 18 module board

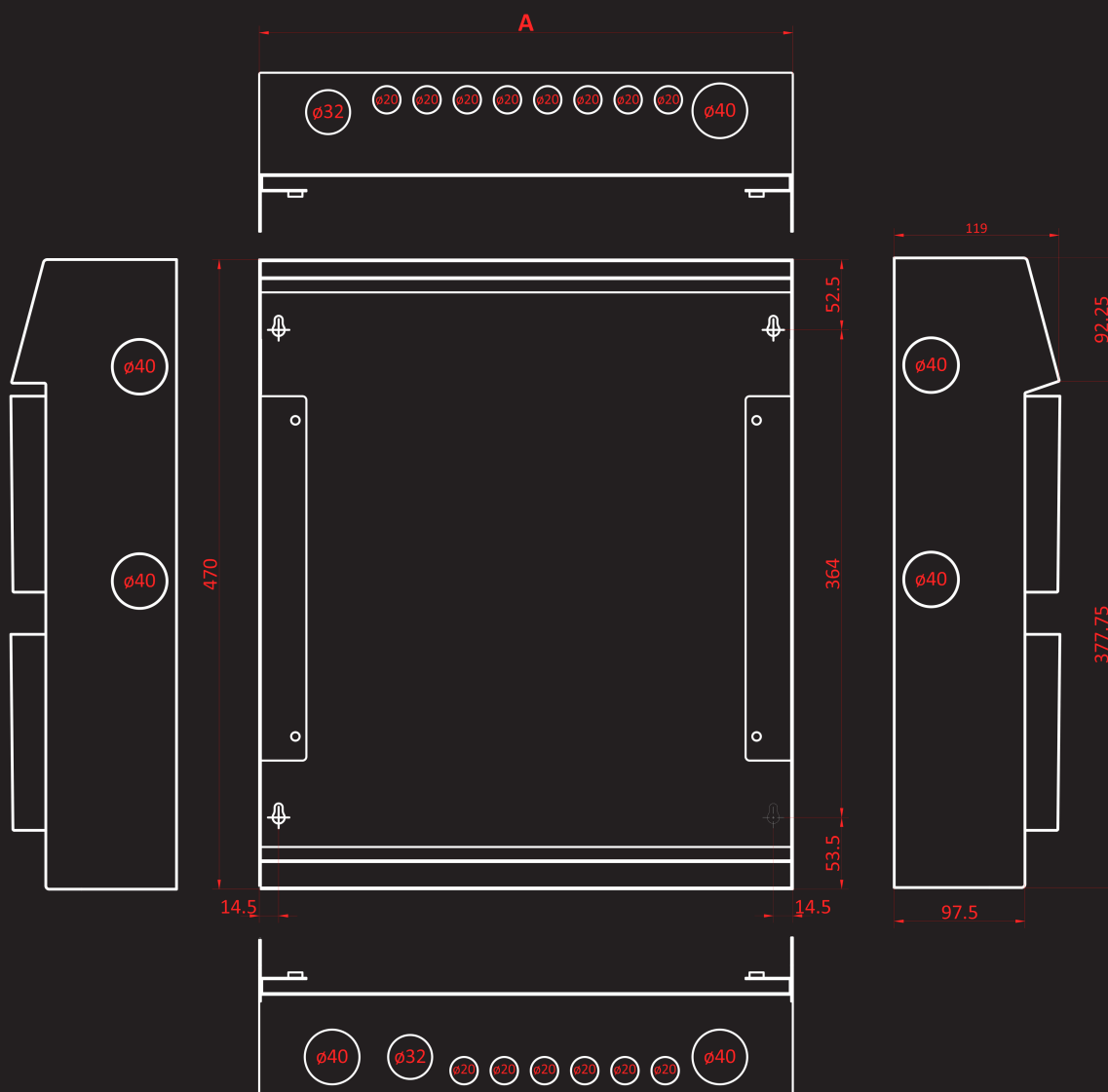
FF14

Flush fit frame for 14 module board

38

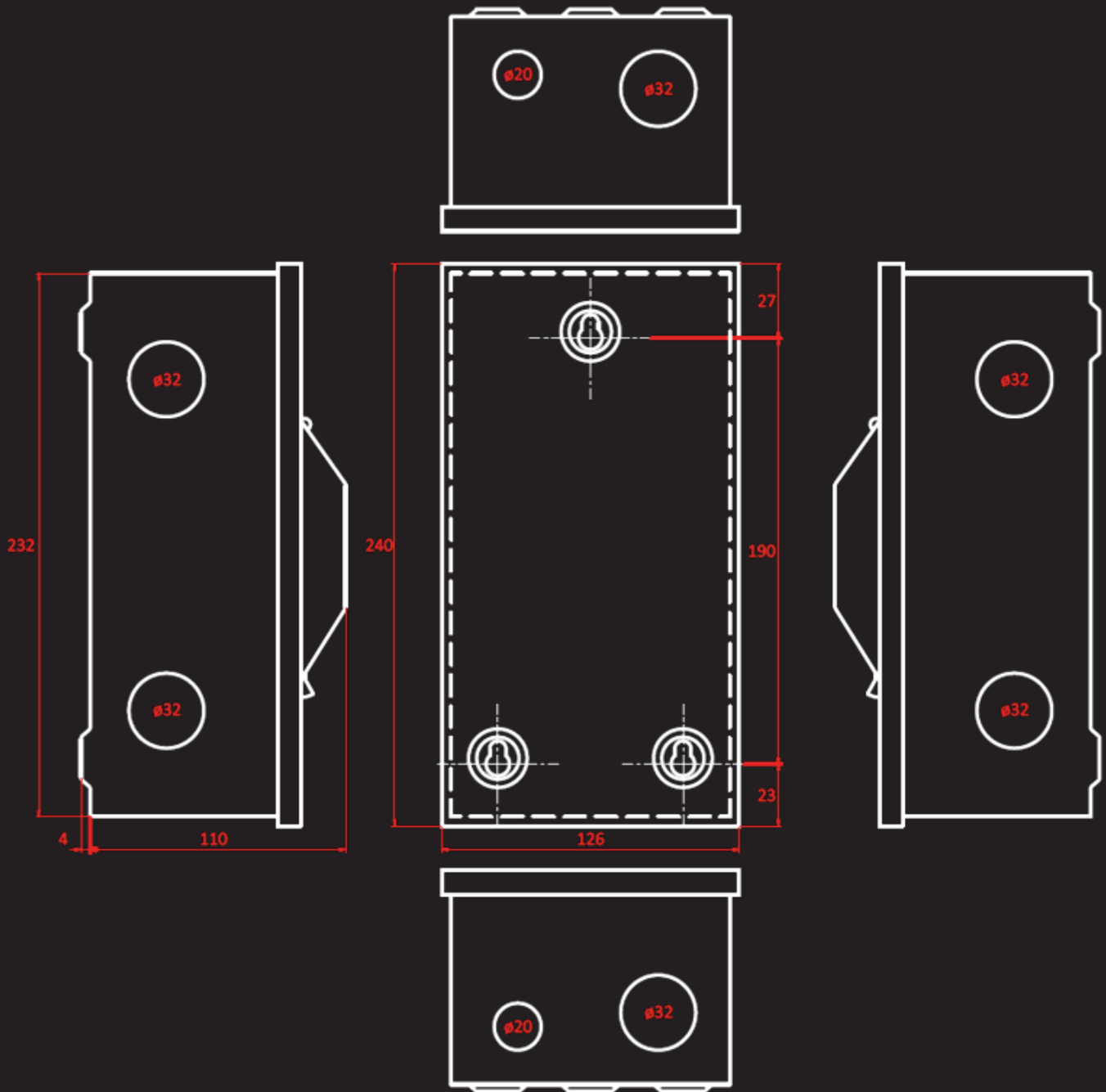
38

DOUBLE STACKED CONSUMER UNIT DIMENSIONS

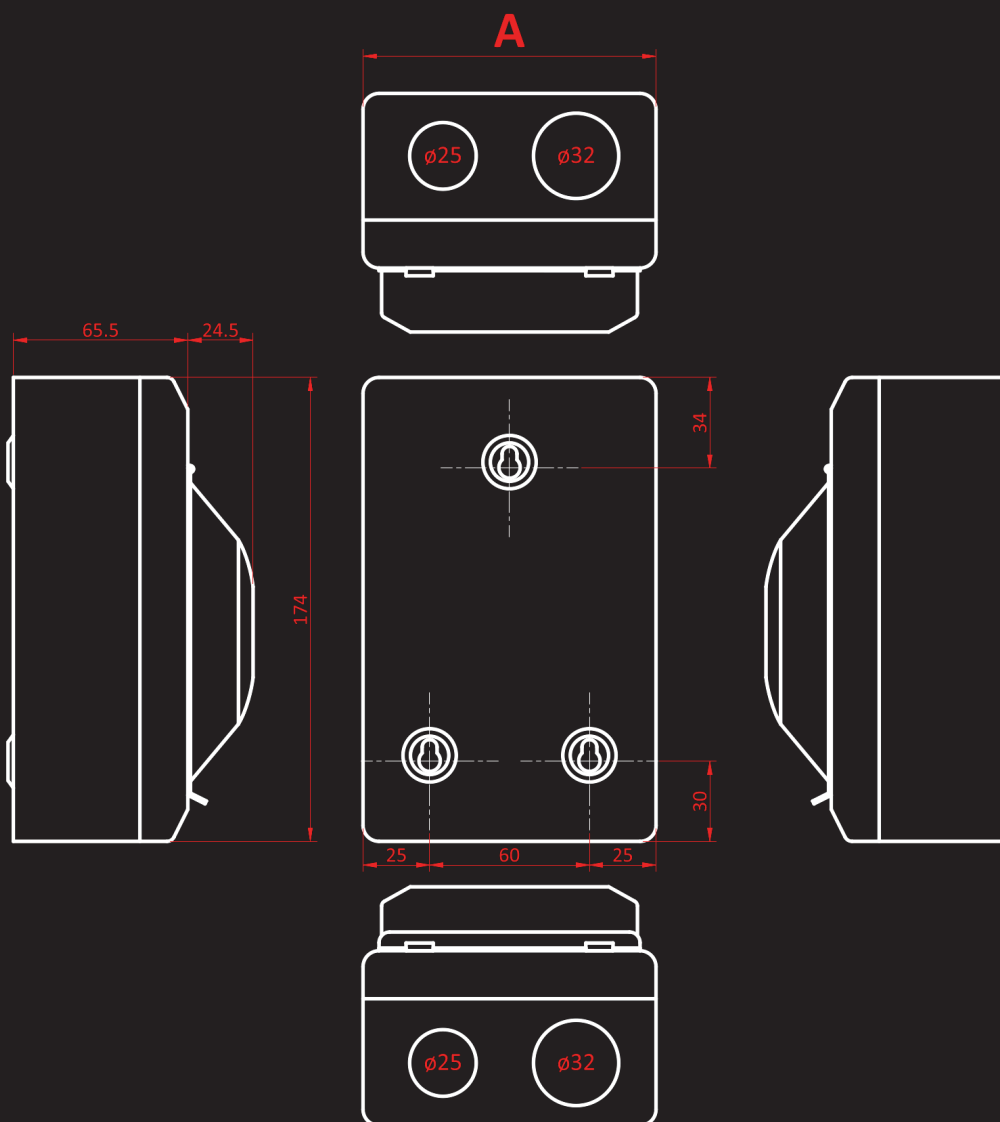


Part Number	Dimension A	Knockout Configuration (left to right on drawing)	Face
MCU28~	328mm	32, 5x20, 40	Top
		40, 32, 3x20, 40	Bottom
MCU36~	395mm	32, 8x20, 40	Top
		40, 32, 6x20, 40	Bottom

G4 UNIT DIMENSIONS

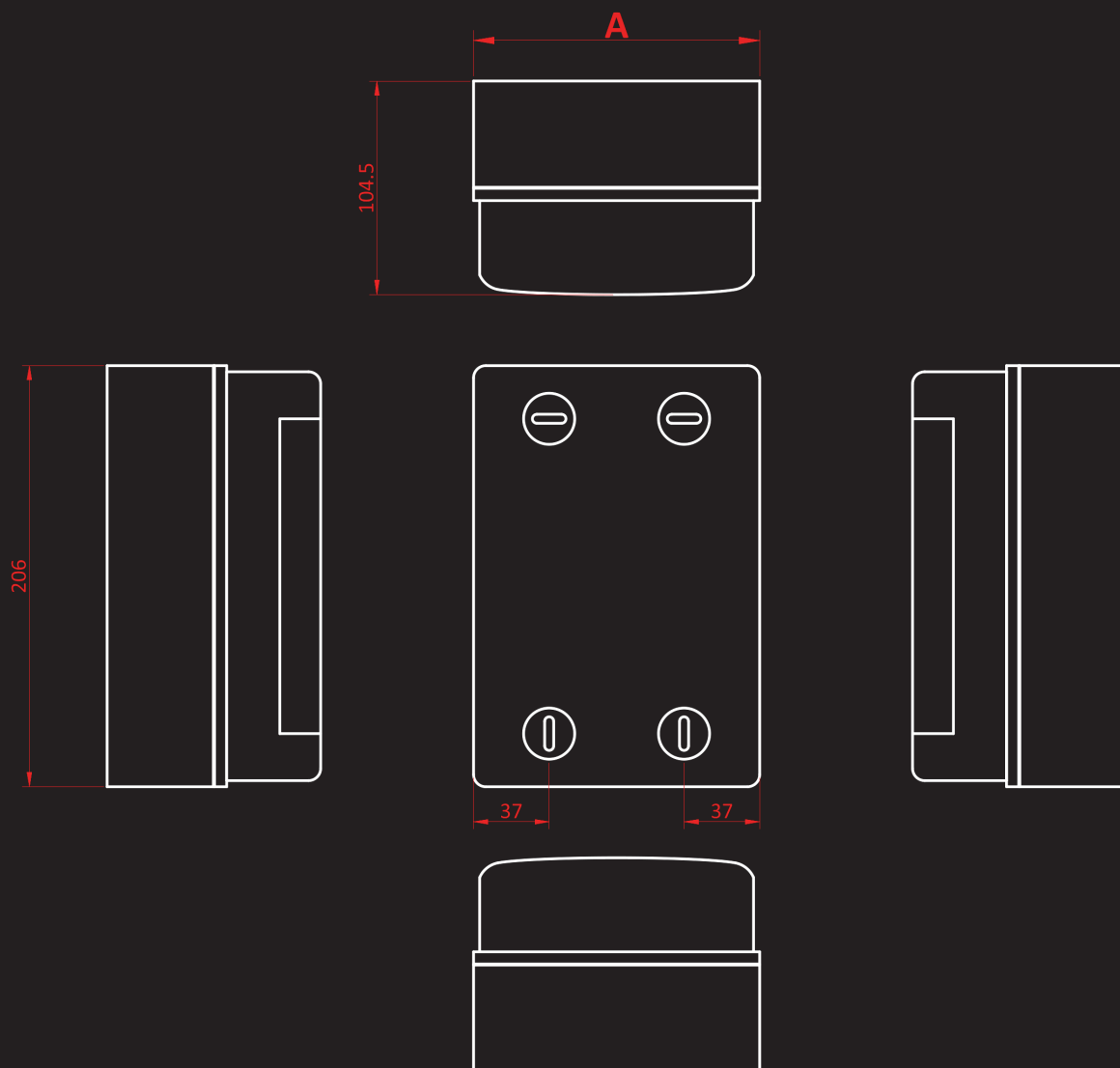


41 EV UNIT DIMENSIONS



Part Number	Dimension A	Top & Bottom Face Knockout Configuration (left to right on drawing)
EV2X	74mm	25
EV4X	110mm	25, 32
EV5X	132mm	25, 32

CU UNIT DIMENSIONS



Part Number	Dimension A	Dimension B	Dimension C
CU03X	100mm	110mm	184mm
CU04X	143mm	99.5mm	210mm
CU05X	136mm	110mm	184mm
CU08X	210mm	96mm	205mm

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CONTROL GEAR

STRENGTH • RELIABILITY • POWER



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TP&N BOARDS AND DEVICES

STRENGTH • RELIABILITY • POWER

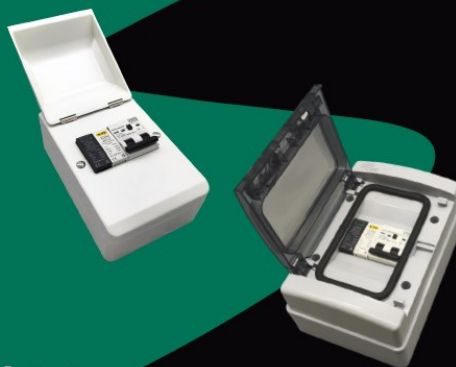


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RENEWABLES AND ENERGY SAVING

STRENGTH • RELIABILITY • POWER



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