CPN CUDIS

RENEWABLES AND ENERGY SAVING

STRENGTH • RELIABILITY • POWER

UK CA CE

Lumo®

RENEWABLES and **ENERGY SAVING**

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, is offered along with a comprehensive range of circuit protection devices and accessories.

LUMO units have been developed with installers in mind and have 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

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LUMO® EV **UNITS**

- Fitted with Lumo strip as standard
- Configurable to customer needs
- IP3X rated metal enclosure
- Conforms to BS EN 61439–3

Part No.	Included Devices	Usable Ways
LUMO4X	–	4
LUMOEVB	RO2SNF40B, T21PN	–
LUMOEVC	RO2SNF40C, T21PN	–
LUMOEVMS16	IS2100, RO2SNF16B	–
LUMOEVMS32	IS2100, RO2SNF32B	–
LUMOEVMS40	IS2100, RO2SNF40B	–
LUMOEVB32	RC263B, MD132B	1
LUMOEVB40	RC263B, MD140B	1

EV METAL **COMPACT UNITS**

- Compact enclosure:
  - Height: 175mm
  - Depth: 91mm
  - 2 way width: 74mm
  - 4 way width: 110mm
  - 5 way width: 132mm
- IP3X rated metal enclosure
- Conforms to BS EN 61439-3

Part No.	Included Devices	Usable Ways
EV2X	–	2
EV4X	–	4
EV5X	–	5
EV2B63	RC263B	–
EV440B	RO2SNF40B, T21PN	–
EV440C	RO2SNF40C, T21PN	–
EV4MS16	IS2100, RO2SNF16B	–
EV4MS32	IS2100, RO2SNF32B	–
EV4MS40	IS2100, RO2SNF40B	–
EV4B32	RC263B, MD132B	1
EV4B40	RC263B, MD140B	1
EV532B	IS2100, T21PNSM, RO2SNF32B	–

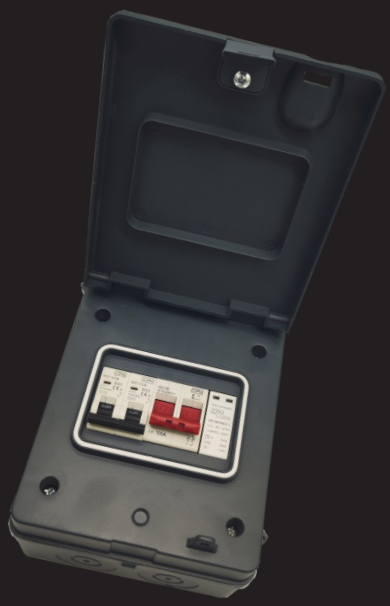
- RCD – see page 14
- MCB – see page 15

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

Lumo®

EV METAL **IP65 UNITS**

- 5 module metal enclosure
- UV resistant enclosure
- IP65 rated
- Height: 232mm
- Width: 164mm
- Depth: 101mm
- Conforms to BS EN 61439-3



Part No.	Included Devices	Usable Ways
EVM65	–	5
EVM65B	RO2SNF40B, T21PN	1
EVM65C	RO2SNF40C, T21PN	1
EVM65MS40B	IS2100, MD140B, MD132B, T21PNSM	–

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

- RCD – see page 14
- MCB – see page 15

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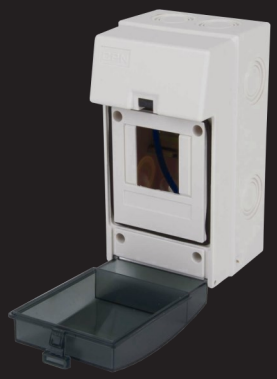
EV PLASTIC **IP65 UNITS**

- IP65 plastic enclosure
- 3 and 5 way – BS EN 61439-1 & BS EN 61439-2
- 4 and 8 way – BS EN 61439-3



Part No.	Included Devices	Usable Ways
CU03X	–	3
CU05X	–	5
CU08X	–	8
EVP3B32	RC263B, MD132B	–
EVP3B40	RC263B, MD140B	–
EVP4B	RO2SNF40B, T21PN	–
EVP4C	RO2SNF40C, T21PN	–
EVP5MS16	IS2100, RO2SNF16B	1
EVP5MS32	IS2100, RO2SNF32B	1
EVP5MS40	IS2100, RO2SNF40B	1

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

- RCD – see page 14
- MCB – see page 15

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3 PHASE **EV UNITS**

- 8 module Lumo® enclosure
- Comes complete with MCB and RCD protection (both Type A & Type B versions)
- 16kA conditional rating
- All steel construction
- IP3X rated
- Conforms to BS EN 61439-3

Part No.	Included Devices	Usable Ways
LUMO3EV63A	RC463/030A, MH363C	1
LUMO3EV63B	RC463/030B, MH363C	1

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

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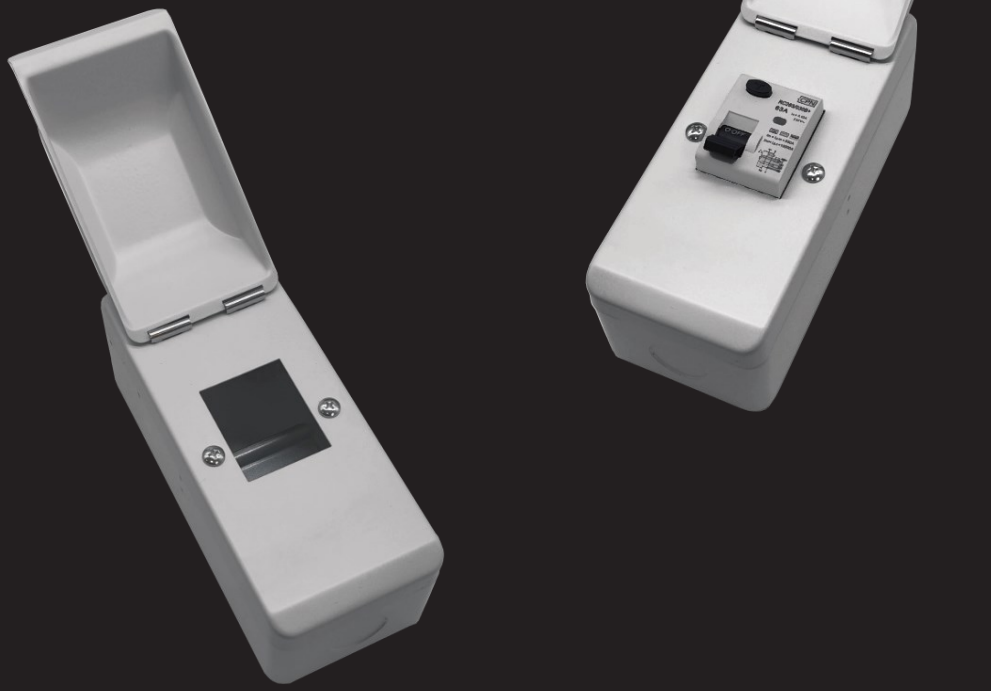
HEAT SOURCE **PUMP UNITS**

- 2 module enclosure
- All steel construction
- IP3X rated
- Conforms to BS EN 61439-3



Part No.	Included Devices	Usable Ways
EV2X	–	2
EV2B63	RC263B	–

Comes with Type B RCD other variants available, please contact our sales team for more information

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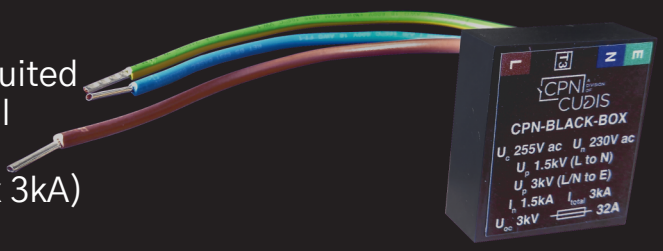
AC SURGE PROTECTION **DEVICES**

- 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)

• Model shown: T21PNSM



• Model shown: T3

- Conforms to BS EN 61643-11
- Recommended installation with a 63A MCB (not Type 3 versions)

Part No.	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.

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DC SURGE PROTECTION **DEVICES**

- Type 2: Install in the incoming supply panels / consumer units.
  Low likelihood of lightning strike.
  20kA (max 40kA) (8/20s) per pole.

- Conforms to BS EN 61643-31

Part No.	Maximum Continuous Voltage	Type	Module Width
T2DC2P600	600V DC	2	2
T2DC3P1000	1000V DC	2	3
T2DC3P1500	1500V DC	2	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.

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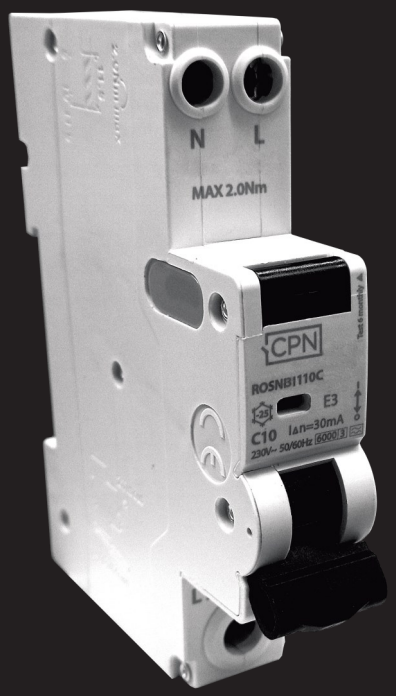
BI-DIRECTIONAL RCBO

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



Part No.	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

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 No.	Description
RO206~	6A
RO210~	10A
RO216~	16A
RO220~	20A
RO225~	25A
RO232~	32A
RO240~	40A
RO250~	50A
RO263~	63A

Replace ~ with B or C for trip curve

e.g. RO206C

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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 No.	Description
RO2SNF06~	6A
RO2SNF10~	10A
RO2SNF16~	16A
RO2SNF20~	20A
RO2SNF32~	32A
RO2SNF40~	40A

Replace ~ with B or C for trip curve

e.g. RO2SN06C

2 MODULE 30mA TYPE B RCD

- Electro-magnetic
- Can also 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 No.	Current Rating	Fault Current
RC225B	25A	30mA
RC240B	40A	30mA
RC263B	63A	30mA
RC263B300	63A	300mA

2 MODULE 30mA TYPE A RCD

- Electro-magnetic
- Can also function as an isolator
- 6kA breaking capacity
- Type A
- 30mA
- Switched live and neutral
- Conforms to BS EN 61008-1

Part No.	Current Rating
RC225	25A
RC240	40A
RC263	63A
RC280	80A
RC2100	100A

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MD SINGLE **MODULE MCB**

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

Part No.	Current Rating
MD102B	2A
MD104B	4A
MD106B	6A
MD110B	10A
MD116B	16A
MD120B	20A
MD125B	25A
MD132B	32A
MD140B	40A
MD150B	50A
MD163B	63A

MH **MCB**

- 10kA breaking capacity
- 1, 2 ,3 modules
- B, C or D curves
- Conforms to BS EN 60898–1

Part No.	Current Rating
MH*02~	2A
MH*04~	4A
MH*06~	6A
MH*10~	10A
MH*16~	16A
MH*20~	20A
MH*25~	25A
MH*32~	32A
MH*40~	40A
MH*50~	50A
MH*63~	63A

Replace:

* with 1, 2 or 3 for number of poles

~ with B, C or D for trip curve

e.g. MH102D

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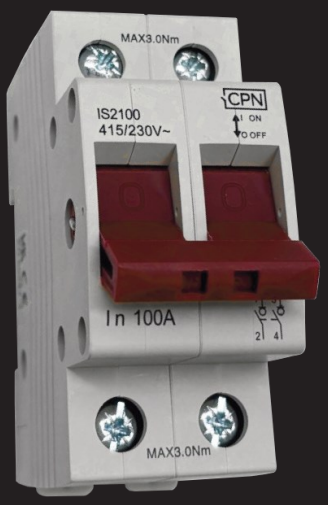
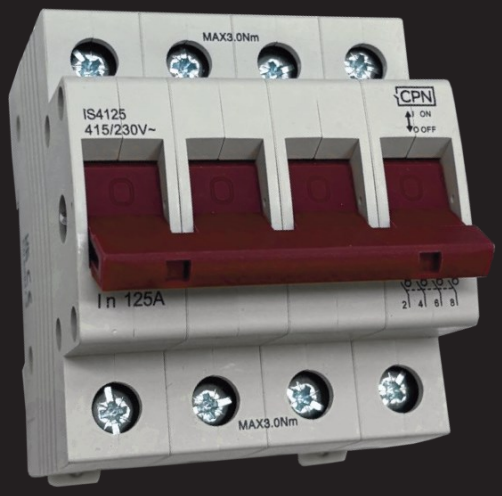
MAIN SWITCH ISOLATORS

- 6kA breaking capacity
- 2, 3 and 4 module
- Conforms to BS EN 60947-3





Part No.	Description
IS2100	100A
IS2125	125A
IS3100	100A
IS3125	125A
IS4100	100A
IS4125	125A

DC ROTARY **ISOLATORS**

- IP65
- Flame retardant material
- 22mm knockouts
- Earth and neutral bars
- Padlockable
- Conforms to BS EN 60947-1
  BS EN 60947-3

Part No.	Current Rating	Poles
DC16	16A	2
DC20	20A	2
DC32	32A	2

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AC ROTARY ISOLATORS

- IP65
- Flame retardant material
- 22mm knockouts
- Earth and neutral bars
- Padlockable
- Conforms to BS EN 60947-1 & BS EN 60947-3

Part No.	Current Rating	Poles
AC320	20A	3
AC325	25A	3
AC332	32A	3
AC340	40A	3
AC363	63A	3
AC3100	100A	3
AC420	20A	4
AC425	25A	4
AC432	32A	4
AC440	40A	4
AC463	63A	4
AC480	80A	4
AC4100	100A	4

MODULAR **CONTACTORS**

- 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 No.	Module Width	No of Poles	Current Rating
MODC2/20	1	2	20A
MODC2/40	2	2	40A
MODC4/20	2	4	20A
MODC4/40	3	4	40A
MODC4/63	4	4	63A

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SINGLE PHASE **VOLTAGE OPTIMISATION**

- Cost effective, extremely efficient and contributes towards a low carbon footprint
- Independently tested: certified by Interlek
- Immediate financial and energy savings -6% to 14%
- Extends life of electrical devices and appliances
- Input (Volts): Nominal Input Voltage 235–253V, 50HZ
- Output: Input Voltage 92.5% (217–234VAC)
- Conforms to: EN61000-6-2005, EN61000-6-4:2007+A1:2011, EN61558-2-13:2009 in conjunction with EN61558-1:2005+A1:2009, lvd2014/35/EU, BSEN61439-1, BSEN60076-11

Part No.	Description
CPNB60	63A Single Phase Voltage Optimisation Unit
CPNB100	100A Single Phase Voltage Optimisation Unit

THREE PHASE **VOLTAGE OPTIMISATION**

- Reduces supply input voltage and saves money
- Reduced carbon footprint
- Immediate financial and energy savings -6% to 14%
- Fast investment pay back
- Extends life of electrical devices and appliances
- Available in 100A to 400A versions (additional current ratings are available)
- IP2XC Rated
- Conforms with the Low Voltage Directive 2006/95/EC, BSEN 61439-2:2011, BSEN 60529 and BS EN 61558

Part No.	Continuous Current Rating (A)	Optimised Output (V)
VO3-100WM	100A 3 Phase	-6%, -8%, -10%
VO3-100	100A 3 Phase	-6%, -7%, -8%, -9%, -10%
VO3-160	160A 3 Phase	-6%, -7%, -8%, -9%, -10%
VO3-250	250A 3 Phase	-6%, -7%, -8%, -9%, -10%
VO3-400	400A 3 Phase	-6%, -7%, -8%, -9%, -10%

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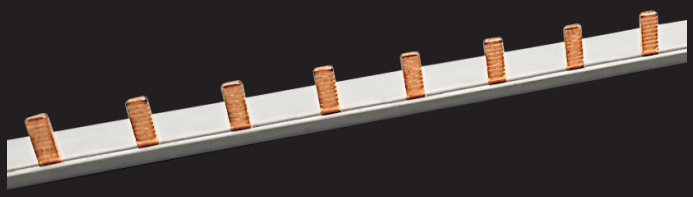
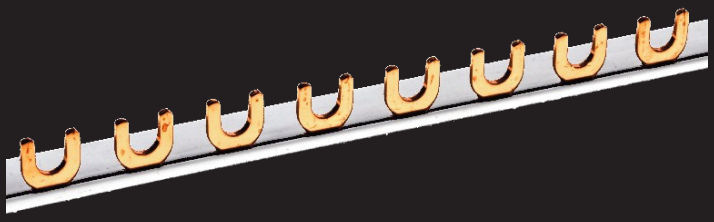
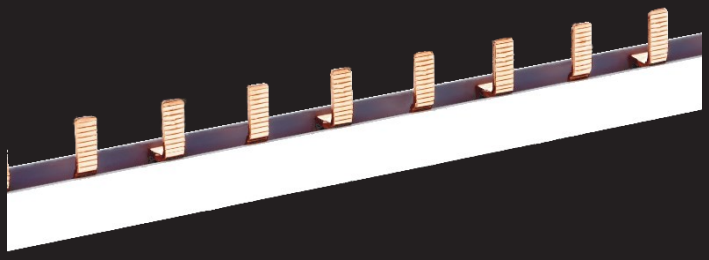
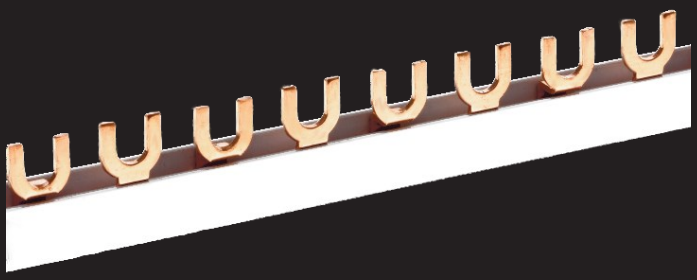
1, 2 and 3 POLE **BUSBARS**



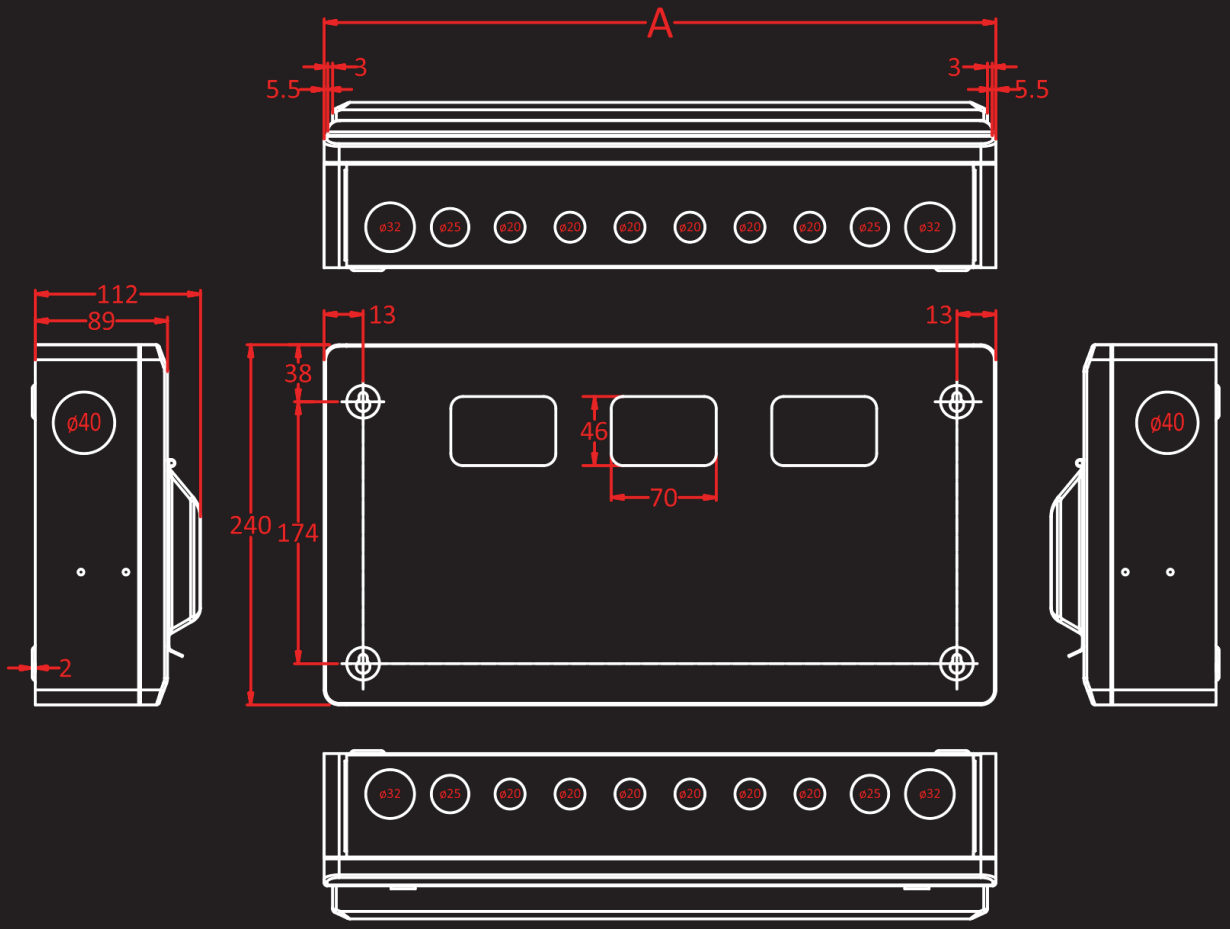






Part No.	Description
BB163	1 pole, 63A, 1 metre
BB163F	1 pole, 63A, 1 metre, forked
BB1100	1 pole, 100A, 1 metre
BB1E	1 pole end cap
BB263	2 pole, 63A, 1 metre
BB263F	2 pole, 63A, 1 metre, forked
BB2100	2 pole, 100A, 1 metre
BB2E	2 pole end cap
BB363	3 pole, 63A, 1 metre
BB363F	3 pole, 63A, 1 metre, forked
BB3100	3 pole, 100A, 1 metre
BB3E	3 pole end cap

LUMO® CONSUMER UNIT **DIMENSIONS**



Part No.	Dimension A	Top & Bottom Face Knockout Configuration (left to right on drawing)
LUMO22X	448mm	32, 25, 20, 20, 20, 20, 20, 20, 25, 32
LUMO18X	376mm	32, 25, 20, 20, 20, 20, 25, 32
LUMO14X	304mm	32, 25, 20, 20, 25, 32
LUMO10X	232mm	32, 20, 20, 32
LUMO8X	232mm	32, 20, 20, 32
LUMO6X	160mm	20, 32
LUMO4X	130mm	20, 32

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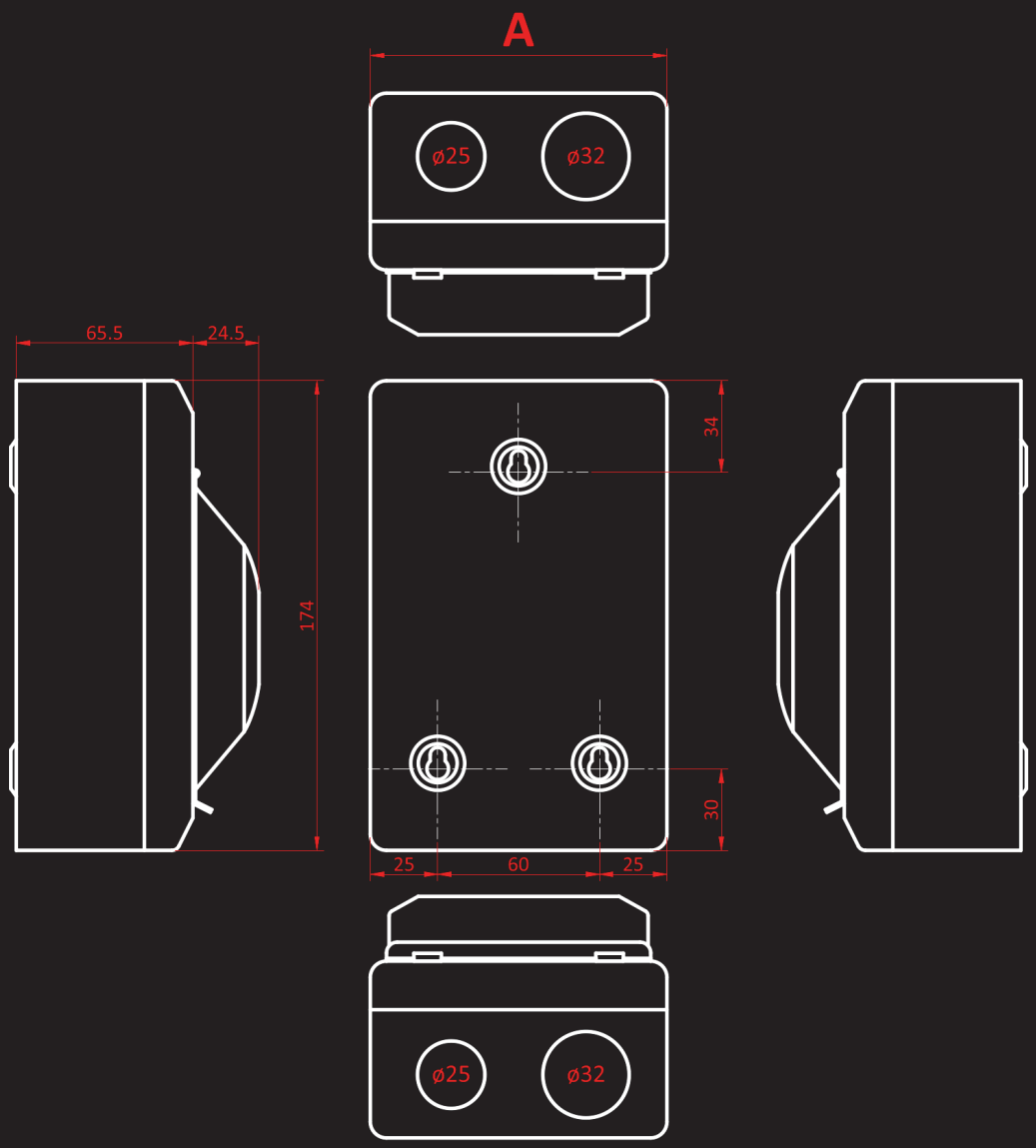
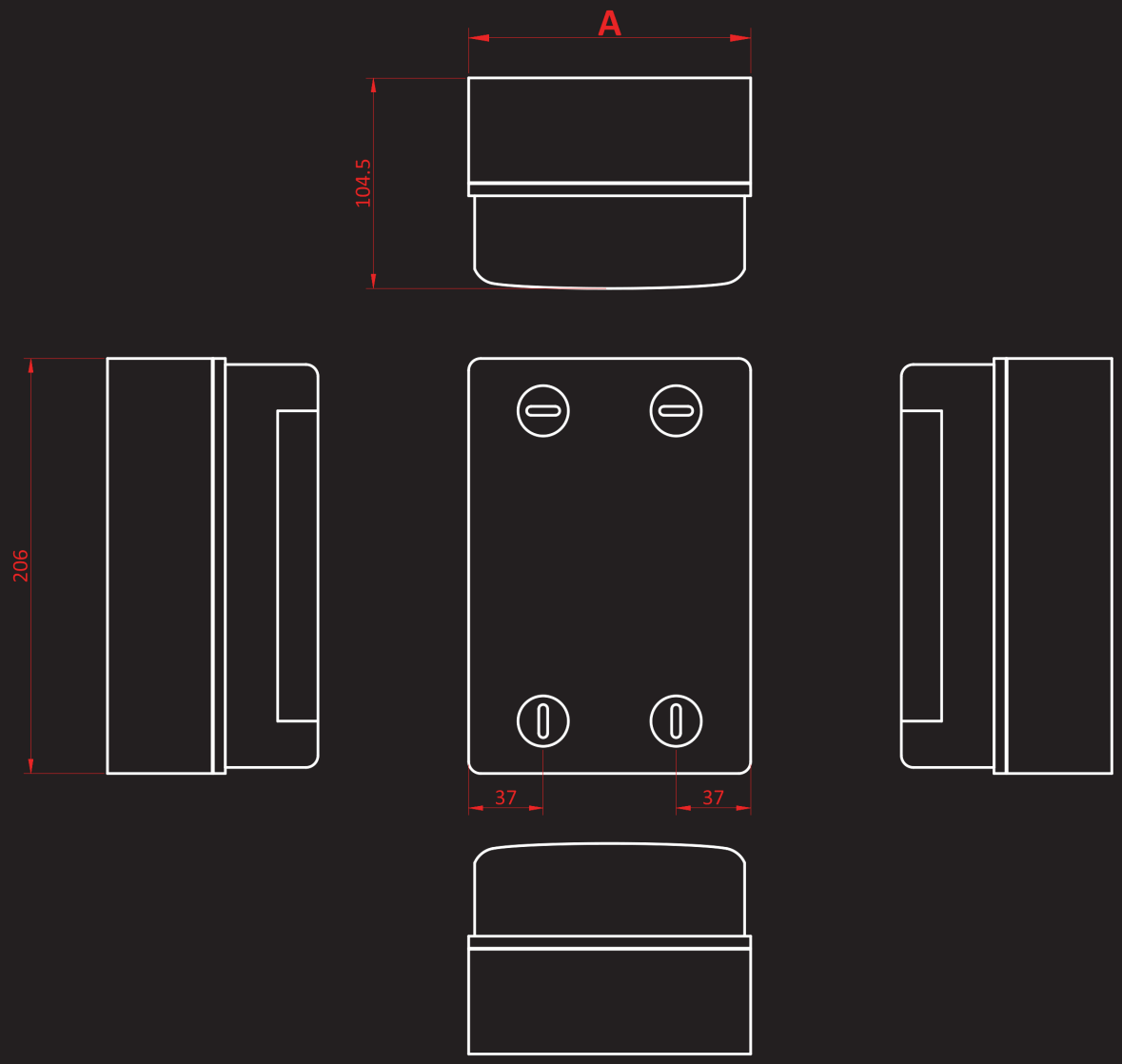
EV UNIT **DIMENSIONS**



Part No.	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 No.	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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