CPN CUDIS

TP&N BOARDS AND DEVICES

STRENGTH • RELIABILITY • POWER

UK CA CE

HOME OF THE Lumo®

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 TP&N 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

1

Description	Pages
DISTRIBUTION BOARDS	2–5
SPDs	6
RCBOs	7
RCDs	8–10
ISOLATORS	11
LOCKING KITS	11
MCBs	12–14
ROTARY ISOLATORS	15
CONTACTORS	16
ACCESSORIES	17–18
DIMENSIONAL DRAWINGS	19–20

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

TP&N DESIGN FEATURES

- Isolator switch (can be changed to a 4 pole RCD, see page 8)
- Space for 4 module SPD on DIN Rail
- Steel construction
- Powder coated
- IP30
- Marked drill points
- Lockable door and key
- Raised DIN rail
- Earth and neutral terminal bars
- Accessory pack
- Single phasing kits offers up to 54 single phase ways (see page 17)
- 5 year warranty
- UKCA and CE certified
- 18th Edition compliant
- Conforms to BS EN 61439-3

HOME OF THE Lumo®

TP&N DISTRIBUTION **BOARDS**

- Width = 450mm
- Depth = 103mm
- IS4125, 125A Main switch fitted as standard (see page 11)
- Surge compatible
- Up to 18 three phase ways
- Solid steel design
- Durable paint finish
- Conforms to BS EN 61439-3

3

Part No.	Usable Triple Pole Ways	Height
DB04/125SR	4	450mm
DB06/125SR	6	504mm
DB08/125SR	8	558mm
DB10/125SR	10	612mm
DB12/125SR	12	665mm
DB14/125SR	14	720mm
DB16/125SR	16	774mm
DB18/125SR	18	828mm

TP&N LUMO® DISTRIBUTION UNIT

- 22 module Lumo® enclosure (16kA conditional rating)
- 6 triple pole usable ways
- 100A 4 pole isolator (can be replaced with a 4 pole RCD, see page 8)
- All steel construction
- Easy to remove knockouts
- IP30 rated
- Conforms to BS EN 61439-3

Part No.	Included Devices
LUMO18-3PH	IS4100, 21 pin 100A Busbar

HOME OF THE Lumo®

3 PHASE **EV BOARDS**

- 8 module Lumo® enclosure
- Comes complete with MCB and RCD protection
- 16ka conditional rating
- All steel construction
- IP3X rated
- Conforms to BS EN 61439-3

5

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

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
  In-direct strike protection (overhead cable) of buildings with lightning protection systems
  12.5kA (10/350s) per pole
- Type 2: Install in the incoming supply panels/ consumer units
  Low likelihood of lightning strike
  20kA (8/20s) per pole
- Recommended installation with a 63A MCB
- Conforms to BS EN 61643-11

Part No.	Earthing Arrangement	Type	Module Width
T13PN	TN-C-S, TN-S, TT	1	8
T123PN	TT	1+2	4
T124P	TN-S	1+2	4
T123P	TN-C-S	1+2	3
T23PN	TT	2	4
T24P	TN-S	2	4
T23P	TN-C-S	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.

HOME OF THE Lumo®

3 YEAR WARRANTY

Single Module **RCBO**

- 10kA breaking capacity
- Type A
- 30mA
- 1 pole and neutral
- Conforms to BS EN 61009-1

7

B Curve Part No.	C Curve Part No.	Description
ROSB-106B/030A	ROSB-106C/030A	6A
ROSB-110B/030A	ROSB-110C/030A	10A
ROSB-116B/030A	ROSB-116C/030A	16A
ROSB-120B/030A	ROSB-120C/030A	20A
ROSB-125B/030A	ROSB-125C/030A	25A
ROSB-132B/030A	ROSB-132C/030A	32A
ROSB-140B/030A	ROSB-140C/030A	40A

4 MODULE **30mA RCD**

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

Part No.	Current Rating	Time Delay
RC425/030A	25A	
RC440/030A	40A	
RC463/030A	63A	
RC480/030A	80A	
RC4100/030A	100A	
RC425/030ASI	25A	Y
RC440/030ASI	40A	Y
RC463/030ASI	63A	Y
RC480/030ASI	80A	Y
RC4100/030ASI	100A	Y

HOME OF THE Lumo®

4 MODULE **100mA & 300mA RCD**

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

Part No.	Current Rating	Fault Current	Time Delay
RC425/100A	25A	100mA	
RC440/100A	40A	100mA	
RC463/100A	63A	100mA	
RC480/100A	80A	100mA	
RC4100/100A	100A	100mA	
RC4100/100ASI	100A	100mA	Y
RC425/300A	25A	300mA	
RC440/300A	40A	300mA	
RC463/300A	63A	300mA	
RC480/300A	80A	300mA	
RC4100/300A	100A	300mA	
RC4100/300ASI	100A	100mA	Y

sales@cudis.co.uk

0161 989 5636

4 MODULE **30mA & 300mA Type B RCD**

- Electro-mechanical
- Can also function as an isolator
- 6kA breaking capacity
- Type B
- 30mA
- Switched live and neutral
- Conforms to BS EN 61008-1 and BS EN 62423

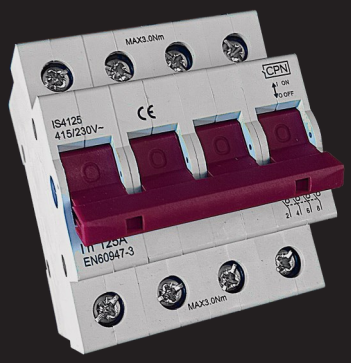
Part No.	Current Rating
RC440/030B	40A
RC463/030B	63A
RC4100/030B	100A
RC463/300B	63A
RC4100/300B	100A

HOME OF THE Lumo®

WARRANTY 3 YEAR

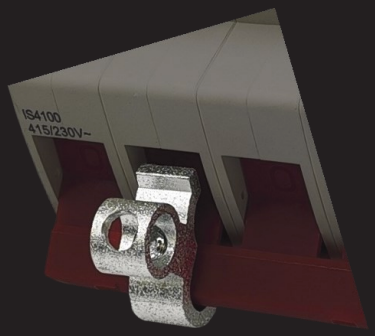
MAIN SWITCH **ISOLATORS**

- 6kA breaking capacity
- 4 Module
- Conforms to BS EN 60947-3



Part No.	Description
IS4100	100A
IS4125	125A

LOCKING **KITS**



Part No.	Description
PL1	Single toggle device locking kit, with padlock
PL2	Universal locking adaptor, without padlock

MC 3 **MODULE MCB**

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

Part No.	Current Rating
MC302~	2A
MC304~	4A
MC306~	6A
MC310~	10A
MC316~	16A
MC320~	20A
MC325~	25A
MC332~	32A
MC340~	40A
MC350~	50A
MC363~	63A

Replace ~ with B, C or D for trip curve

e.g. MC302D

HOME OF THE Lumo®

MH 3 MODULE MCB

- 10kA breaking capacity
- B, C or D curve
- Conforms to BS EN 60898–1

Part No.	Current Rating
MH302~	2A
MH304~	4A
MH306~	6A
MH310~	10A
MH316~	16A
MH320~	20A
MH325~	25A
MH332~	32A
MH340~	40A
MH350~	50A
MH363~	63A

Replace ~ with B, C or D for trip curve

e.g. MH302D

sales@cudis.co.uk

0161 989 5636

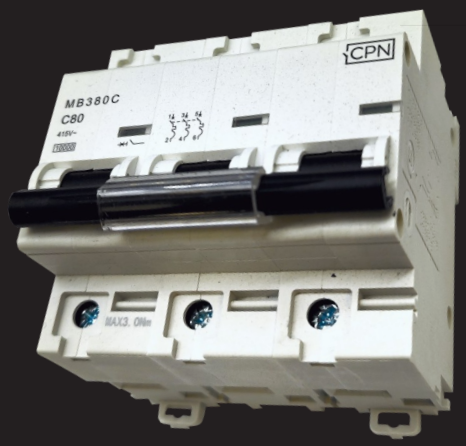
MH 4 **MODULE MCB**

- 10kA breaking capacity
- C curve
- Conforms to BS EN 60898–1

Part No.	Current Rating
MH432C	32A
MH463C	63A

MB **MCB**

- 10kA breaking capacity
- C curve
- For use in DIN rail enclosures
- Conforms to BS EN 60898–1



Part No.	Current Rating	Modular Width
MB380C	80A	4.5
MB3100C	100A	4.5
MB4125C	125A	6

HOME OF THE Lumo®

AC ROTARY ISOLATOR

- 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

sales@cudis.co.uk

0161 989 5636

MODULAR **CONTACTOR**

- Electro-magnetic, hum free operation
- 220/240Vac operating coil
- 250Vac rated contacts
- N/O contacts
- Conforms to BS EN 61095 & BS EN 60947-1

Part No.	Module Width	No. of Poles	Current Rating
MODC4/40	3	4	40A
MODC4/63	4	4	63A

HOME OF THE Lumo®

GLANDS

Part No.	Description
32GY	32mm TAILS GLAND, 25mm² L&N, 16mm² EARTH
40BL	40mm TAILS GLAND, 25mm² L&N, 16mm² EARTH
40BR	40mm TAILS GLAND, 25mm² L&N, 16mm² EARTH
40GY	40mm TAILS GLAND, 25mm² L&N, 16mm² EARTH
GRM-PACK	8xM20, 3xM25, 3xM32 – Grommet Pack

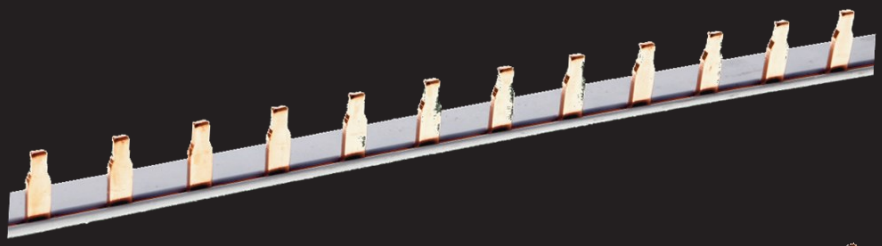
SINGLE **PHASING KIT**

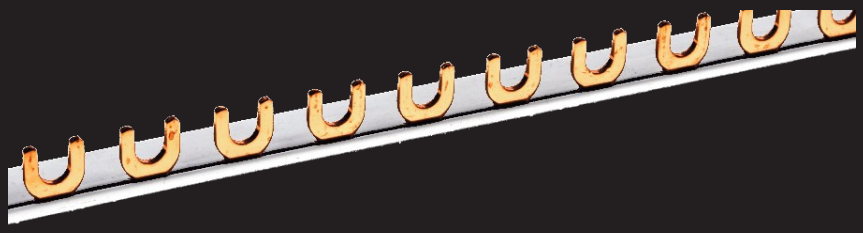
Part No.	Description
SP-KIT	Single Phasing Kit

sales@cudis.co.uk

0161 989 5636

BUSBARS



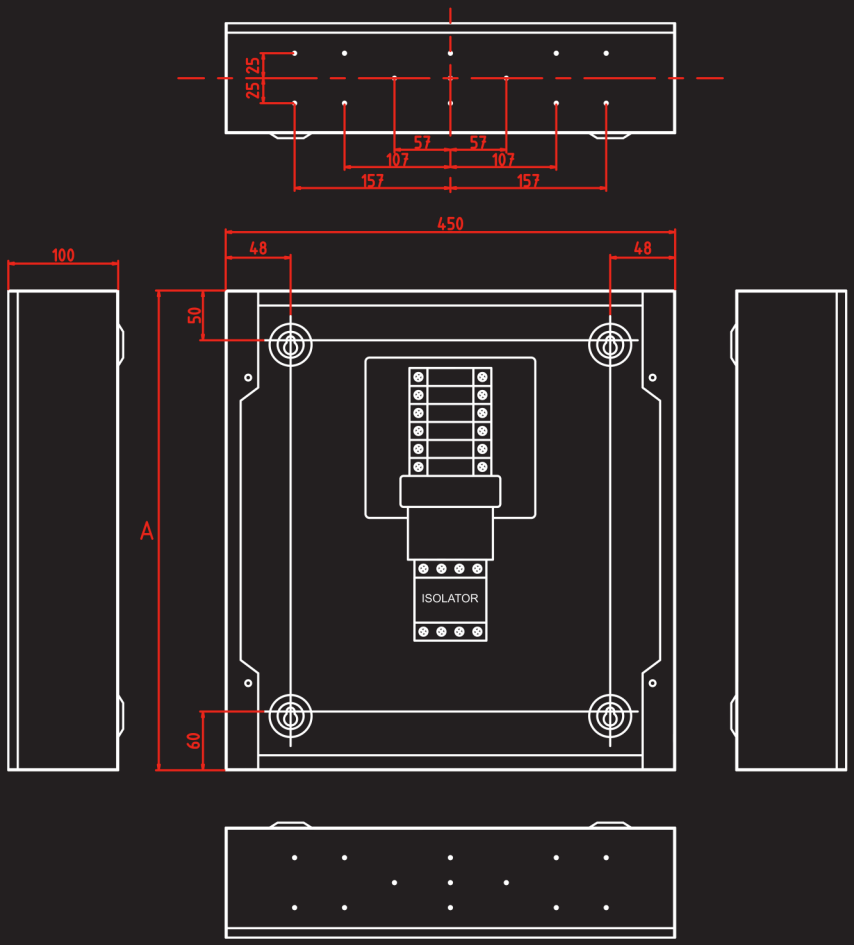


Part No.	Description
BB163	1 Pole, 63A, 1 metre
BB163F	1 Pole, 63A, 1 metre, Forked
BB263	2 Pole, 63A, 1 metre
BB263F	2 Pole, 63A, 1 metre, Forked
BB1100	1 Pole, 100A, 1 metre
BB363	3 Pole, 63A, 1 metre
BB363F	3 Pole, 63A, 1 metre, Forked
BB3100	3 Pole, 100A, 1 metre
BB1E	1 Pole end cap
BB2E	2 Pole end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

18

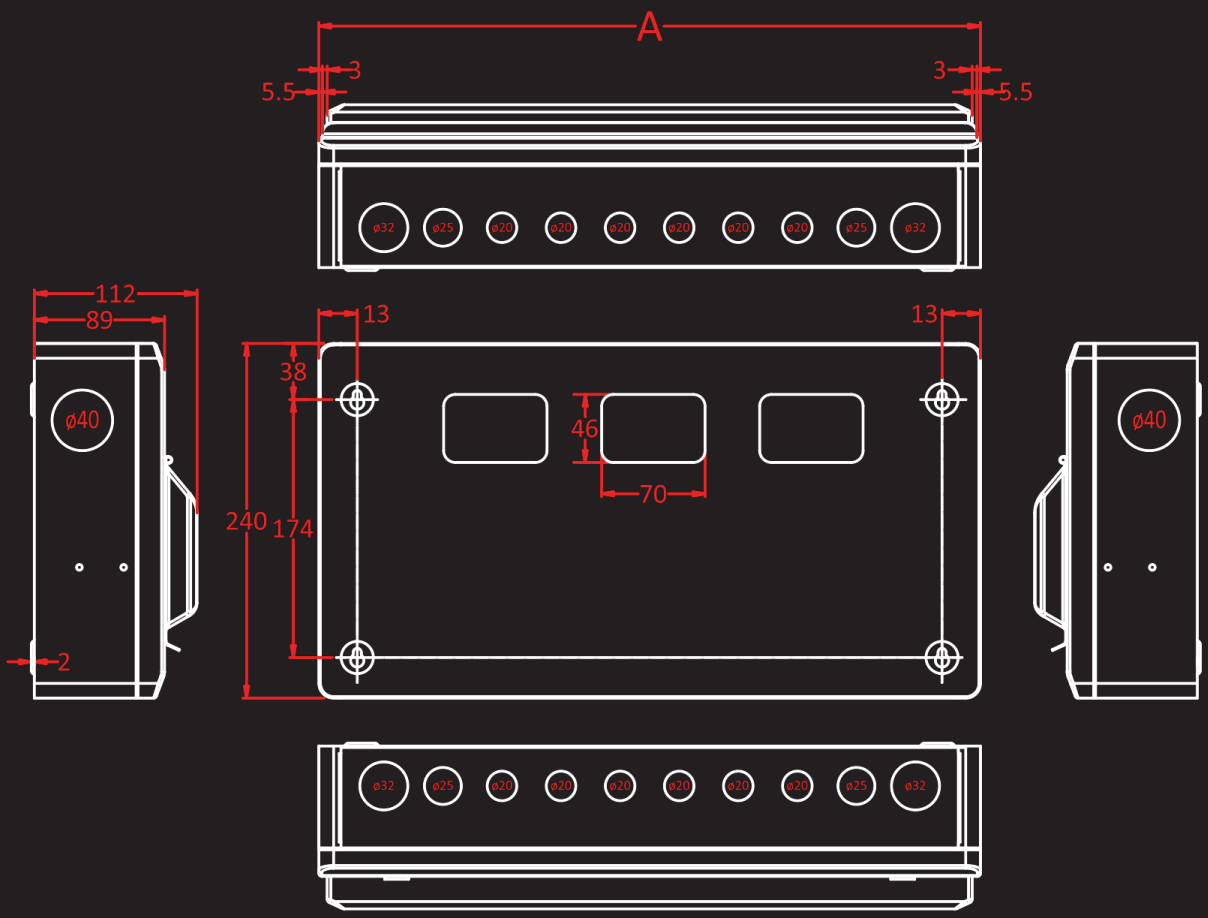
HOME OF THE Lumo®

TP&N DISTRIBUTION BOARDS **DIMENSIONS**



Part No.	Dimension A
DB04/125SR	450mm
DB06/125SR	504mm
DB08/125SR	558mm
DB10/125SR	612mm
DB12/125SR	665mm
DB14/125SR	720mm
DB16/125SR	774mm
DB18/125SR	828mm

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

HOME OF THE Lumo®

sales@cudis.co.uk

0161 989 5636

CPN CUDIS

Unit 7 Bridge Trading Estate, Bolton Road, Bury, BL8 2AQ