

CPN
CUDIS

TP&N BOARDS AND DEVICES

STRENGTH • RELIABILITY • POWER



UK
CA CE

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

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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





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



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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



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Part No.

LUMO18-3PH

Included Devices

IS4100, 21 pin 100A Busbar



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



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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.



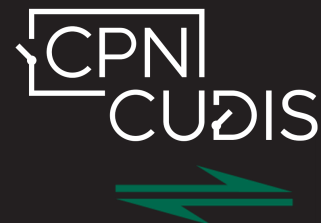
Single Module RCBO

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



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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

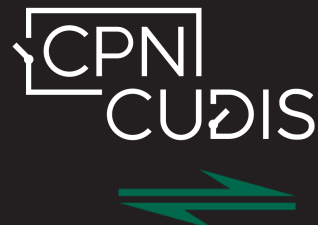


4 MODULE 100mA and 300mA RCD

- 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



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



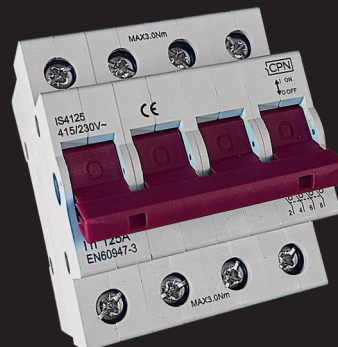
Part No.	Current Rating
RC440/030B	40A
RC463/030B	63A
RC4100/030B	100A
RC463/300B	63A
RC4100/300B	100A

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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



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MC MCB

- 6kA breaking capacity
- 1, 2 or 3 modules
- B, C or D curve
- Conforms to BS EN 60898-1



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

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Replace:

* with 1, 2 or 3 for number of poles

~ with B, C or D for trip curve

e.g. MC302D



MH MCB

- 10kA breaking capacity
- 1, 2 or 3 module
- B, C or D curve
- 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. MH302D



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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

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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



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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



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



GLANDS



Part No.	Description
32GY	32mm TAILS GLAND, 25mm ² L&N, 16mm ² EARTH
40BL	40mm TAILS GLAND, 25mm ² L&N, 16mm ² EARTH
40BR	40mm TAILS GLAND, 25mm ² L&N, 16mm ² EARTH
40GY	40mm TAILS GLAND, 25mm ² L&N, 16mm ² EARTH
GRM-PACK	8xM20, 3xM25, 3xM32 – Grommet Pack

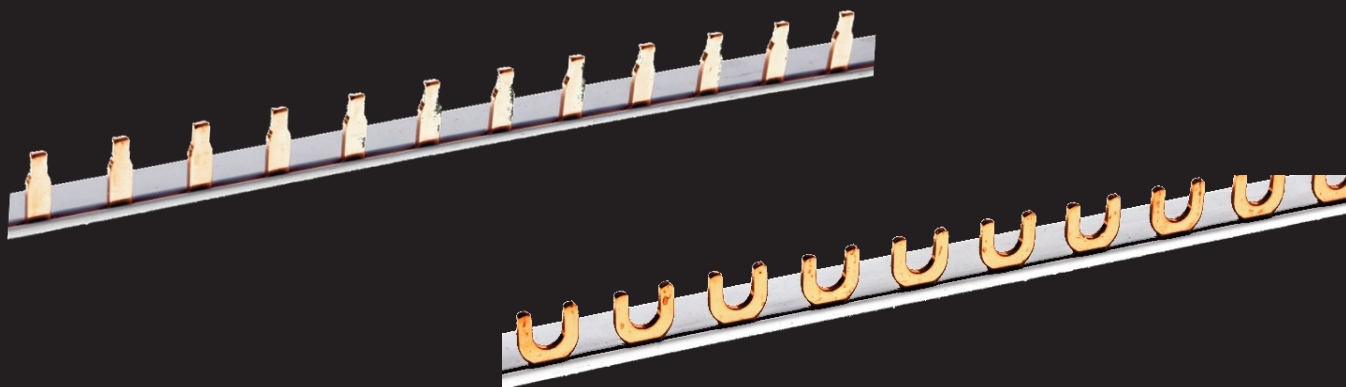
SINGLE PHASING KIT



Part No.	Description
SP-KIT	Single Phasing Kit

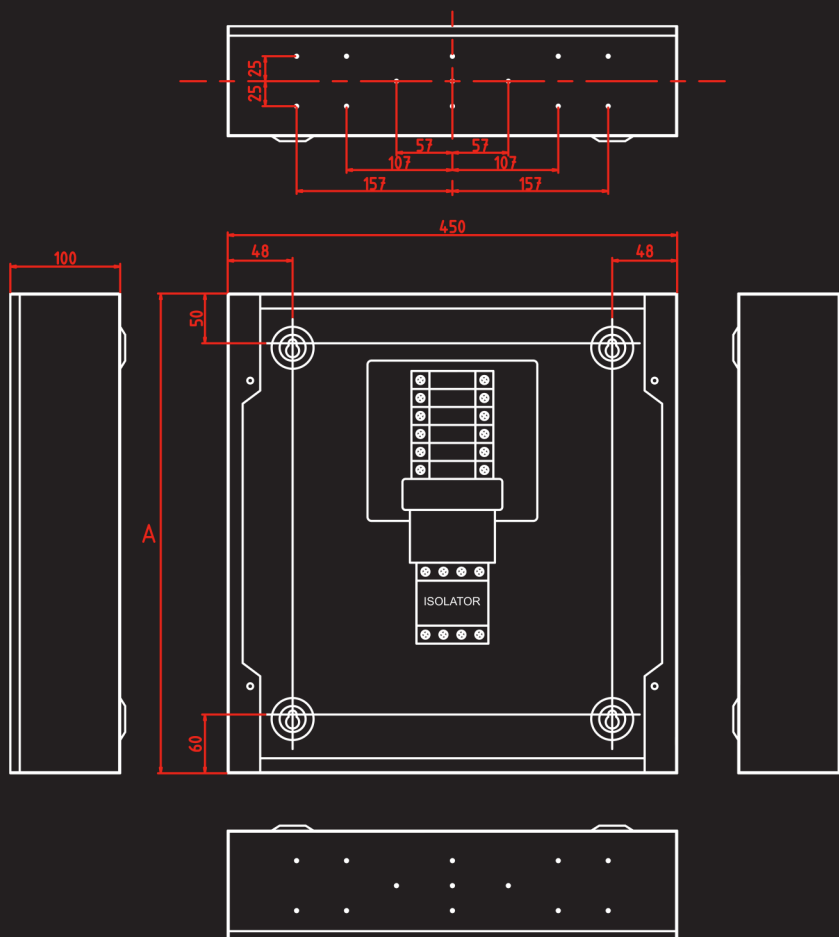


BUSBARS



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

TP&N DISTRIBUTION BOARDS DIMENSIONS



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Part No.

Dimension A

DB04/125SR

450mm

DB06/125SR

504mm

DB08/125SR

558mm

DB10/125SR

612mm

DB12/125SR

665mm

DB14/125SR

720mm

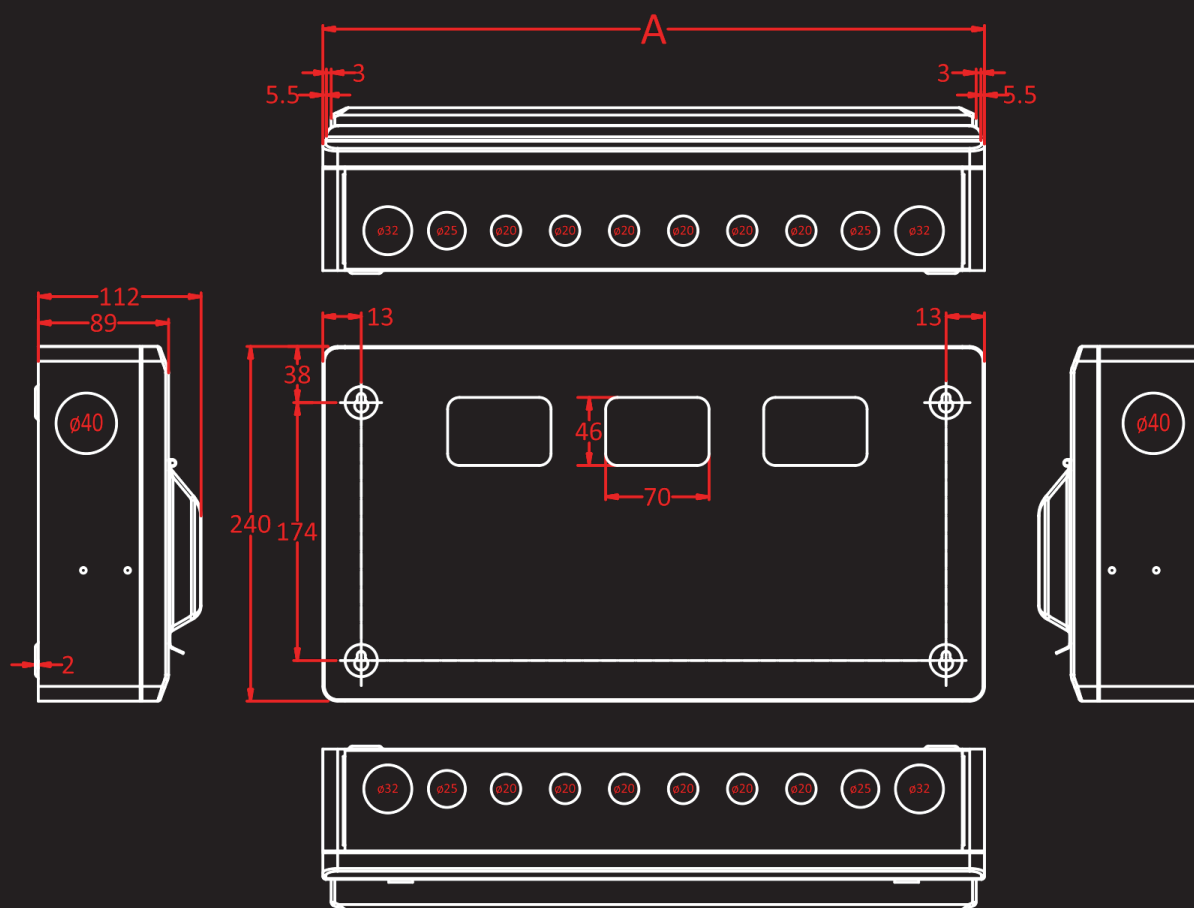
DB16/125SR

774mm

DB18/125SR

828mm

LUMO® CONSUMER UNIT DIMENSIONS



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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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