

DELIVERING
INNOVATION

CPN
CUZIS

DESIGNED IN THE UK

DELIVERING PROTECTION

- CPN Cudis is U.K. based and has been supplying circuit protection products to the U.K. electrical distribution trade since 2004.
- We offer a wide range of 18th Edition compliant distribution boards and circuit protection devices.
- CPN Cudis also offer a 5 year warranty* on many of our products (see each product range's features and benefits).
- Our in-house build facility can assemble consumer units or TP&N distribution boards populated with MCBs, RCBOs and SPDs tailored to your requirements.

DELIVERING INNOVATION

- CPN Cudis is the home of the award winning Lumo® LED consumer unit range which has proved very popular with installers and end users.
- We are a long established supplier of surge protection devices (SPDs) to the UK market.
- CPN Cudis have recently introduced a new space saving single module, 2 pole SPD suitable for TN-C-S, TN-S and TT earthing arrangements. This high arresting capacity device is also featured in a wide range of pre-loaded surge protection consumer units.
- Unique to Cudis, the new SPD wiring kits utilise 16mm² flexible cable for easier installation of both Type 1+2 and Type 2 single phase SPDs.

DELIVERING SUPPORT TO YOU

- CPN Cudis internal and external Sales teams are always available to support you quickly on the phone or with branch visits.
- We offer our Platinum Customers regular product promotions plus marketing design and support and can even supply you with in-store display boards.
- One-to-one Technical Support from our specialists on the phone.
- Our Technical Specialists can also offer tailored training days for your team and are available for any events you plan such as breakfast mornings and contractor days or large-site surge protection surveys.

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Lumo

Don't be left in the dark



Empty Metal Lumo®

Consumer Units

18th Edition Compliant, LED Illuminated Empty Consumer Unit



Features & Benefits

- > The Lumo® LED Feature is standard throughout the Metal MCU Consumer Unit Range.
- > All steel construction.
- > Multi knockouts all around the unit including the rear.
- > Plenty of room for cabling making it easier to install.
- > Earth contact points for added safety.
- > Conforms to BS EN 61439-3; tested by Intertek.
- > Pattress available (for MCU 14, 18 & 22).
- > 5 year warranty.

- 18th Edition Compliant
- LUMO LED is a standard feature
- Multiple knockouts including the rear
- Plenty of room for cabling
- Sturdy DIN rail
- Earth contact points for added safety
- Modern eye pleasing design for any home
- Designed in the UK
- 5 year warranty



Description	Part No.
4 Way, Empty pre-fitted internal cables and busbar.	MCU04/W
6 Way, Empty pre-fitted internal cables and busbar.	MCU06/W
8 Way, Empty pre-fitted internal cables and busbar.	MCU08/W
10 Way, Empty pre-fitted internal cables and busbar.	MCU10/W
14 Way, Empty pre-fitted internal cables and busbar.	MCU14/W
18 Way, Empty pre-fitted internal cables and busbar.	MCU18/W
22 Way, Empty pre-fitted internal cables and busbar.	MCU22/W

If isolator is required see page 26, if RCDs are required see pages 33 & 34.

Dual RCD High Integrity Metal Lumo®

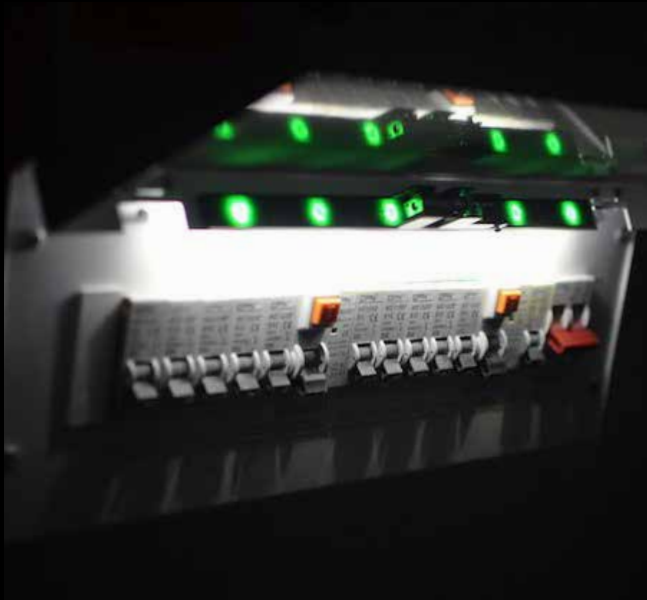
Consumer Units



18th Edition compliant LED illuminated Dual RCD High-Integrity Consumer Units - Complete with your choice of MCB's

Features & Benefits

- > Our Dual RCD Boards are fully flexible modular systems, which means that with a MCU18S/63TI you have 12 usable ways to work with. Up to 3 MCBs or RCBOs off the Main Switch and various other configurations.
- > The Lumo® LED Feature is standard throughout the Metal Consumer Unit Range.
- > All steel construction.
- > Multi knockouts all around the unit including the rear.
- > Plenty of room for cabling making it easier to install.
- > Earth contact points for added safety.
- > Pattress and Accessory Packs available.
- > Conforms to BS EN 61439-3; Tested by Intertek.
- > 5 year warranty.



Description	Part No.
8 Useable Way, Split Load with 100A Main Switch, 2 x 63A RCDs, 4 + 4 Split, comes with 8 MCBs of your choice.	MCU14S/63TI/W
12 Useable Way, Split Load with 100A Main Switch, 2 x 63A RCDs, 6 + 6 Split, comes with 10 MCBs of your choice.	MCU18S/63TI/W
12 Useable Way, Split Load with 100A Main Switch, 2 x 80A RCDs, 6 + 6 Split, comes with 10 MCBs of your choice.	MCU18S/80TI/W
12 Useable Way, Split Load with 100A Main Switch, 2 x 100A RCDs, 6 + 6 Split, comes with 10 MCBs of your choice.	MCU18S/100TI/W
12 Useable Way, Split Load with 100A Main Switch, 2 x 100A Type A RCDs, 6 + 6 Split, comes with 10 MCBs of your choice.	MCU18S/100TIA/W
16 Useable Way, Split Load with 100A Main Switch, 2 x 80A RCDs, 8 + 8 Split, comes with 16 MCBs of your choice.	MCU22S/80TI/W
16 Useable Way, Split Load with 100A Main Switch, 2 x 100A RCDs, 8 + 8 Split, comes with 16 MCBs of your choice.	MCU22S/100TI/W
16 Useable Way, Split Load with 100A Main Switch, 2 x 100A Type A RCDs, 8 + 8 Split, comes with 16 MCBs of your choice.	MCU22S/100TIA/W

Double Stacked Lumo®

Consumer Units

18th Edition compliant LED illuminated Dual RCD Double Stacked High-Integrity Consumer Units

Features & Benefits

- > Featuring two lockable lids both with Lumo® LED feature.
- > Multi Knockouts all around the unit including the rear.
- > Plenty of room for cabling making it easier to install.
- > Conforms to BS EN 61439-3; Tested by Intertek.
- > 5 year warranty.



Description	Part No.
22 Useable Way board with 100A Main Switch, 2 x 80A RCDs & LED.	MCU28S/80TI/W
30 Useable Way board with 100A Main Switch, 2 x 80A RCDs & LED.	MCU36S/80TI/W

18th Edition compliant LED illuminated Double Stacked Dual Tariff Consumer Units

Features & Benefits

- > Dual tariff consumer unit arrangement with 2 isolators.
- > Complements an RCBO arrangement of up to 32 RCBOs.
- > Featuring two lockable lids both with Lumo® LED feature.
- > Multi knockouts all around the unit including the rear.
- > Plenty of room for cabling making it easier to install.
- > Conforms to BS EN 61439-3; Tested by Intertek.
- > 5 year warranty.

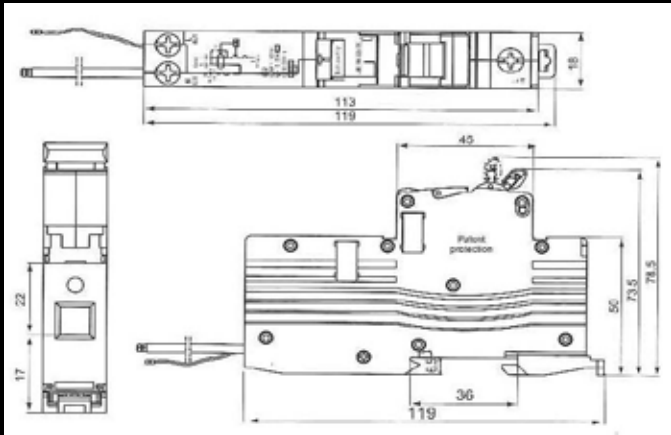


Description	Part No.
24 Useable Way dual tariff Consumer Unit with 2 x 100A Main Switch.	MCU28/TIS/W
32 Useable Way dual tariff Consumer Unit with 2 x 100A Main Switch.	MCU36/TIS/W

RCBO Loaded Lumo®

Type AC RCBO Consumer Units

Type AC RCBO Consumer Units -
Complete with 100A isolator & your choice of Type AC ROH Range RCBO's



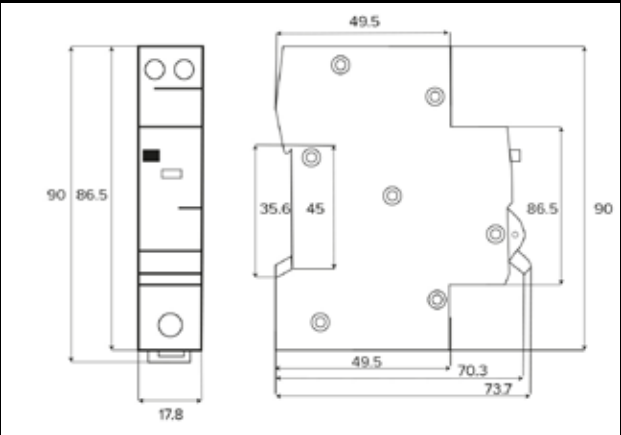
Description	Part No.
8 Useable Way Consumer Unit c/w IS2100 Isolator & 6 x ROH Range RCBOs of your choice.	MCU10/RCBO
12 Useable Way Consumer Unit c/w IS2100 Isolator & 10 x ROH Range RCBOs of your choice.	MCU14/RCBO
16 Useable Way Consumer Unit c/w IS2100 Isolator & 14 x ROH Range RCBOs of your choice.	MCU18/RCBO



RCBO Loaded Lumo®

Miniature Type AC RCBO Consumer Units

Miniature Type AC RCBO Consumer Units -
Complete with 100A isolator and your choice of Miniature Type AC ROM Range RCBO's

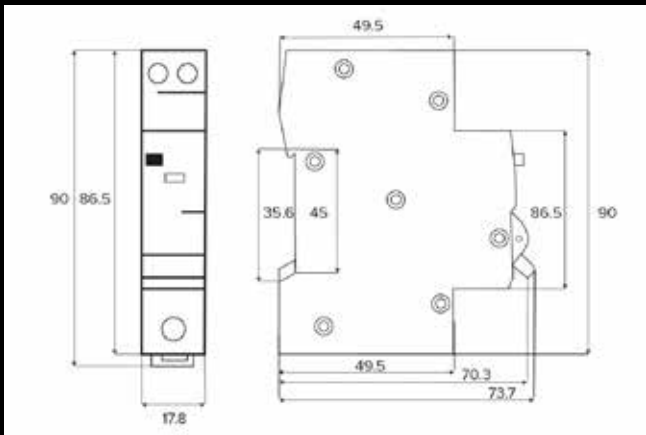


Description	Part No.
8 Useable Way Consumer Unit c/w IS2100 Isolator & 6 x ROM Range Miniature RCBOs of your choice.	MCU10/RCBO-MINI
12 Useable Way Consumer Unit c/w IS2100 Isolator & 10 x ROM Range Miniature RCBOs of your choice.	MCU14/RCBO-MINI
16 Useable Way Consumer Unit c/w IS2100 Isolator & 14 x ROM Range Miniature RCBOs of your choice.	MCU18/RCBO-MINI

RCBO Loaded Lumo®

Type A RCBO Consumer Units

Miniature Type A RCBO Consumer Units -
Complete with 100A isolator and your choice of Miniature Type A ROM Range RCBO's



Description	Part No.
8 Useable Way Consumer Unit c/w IS2100 Isolator & 6 x Type A ROM Range Miniature RCBOs of your choice.	MCU10/RCBO-MINA
12 Useable Way Consumer Unit c/w IS2100 Isolator & 10 x Type A ROM Range Miniature RCBOs of your choice.	MCU14/RCBO-MINA
16 Useable Way Consumer Unit c/w IS2100 Isolator & 14 x Type A ROM Range Miniature RCBOs of your choice.	MCU18/RCBO-MINA



Surge Loaded Lumo®

Dual RCD & RCBO Consumer Units

Dual RCD High-Integrity Consumer
Units with Surge Protection -
Complete with your choice of MCB's



Description	Part No.	Earth Arrangement
14 Useable Way Consumer Unit c/w IS2100 Isolator, 2 x 80A RCDs, Type 2 SPD-1PC2, 63A MCB & 11 MD MCBs of your choice.	MCU22S/80TI/W/5	TN-C-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, 2 x 80A RCDs, Type 2 SPD-2PC2, 63A MCB & 10 MD MCBs of your choice.	MCU22S/80TI/W/6	TN-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, 2 x 80A RCDs, Type 2 SPD-1PNEC2, 63A MCB & 10 MD MCBs of your choice.	MCU22S/80TI/W/7	TT
14 Useable Way Consumer Unit c/w IS2100 Isolator, 2 x 80A RCDs, Type 2 SPD-SM1PNEC2, 63A MCB & 11 MD MCBs of your choice.	MCU22S/80TI/9	TN-C-S, TN-S, TT



Type AC RCBO Consumer Units with
Surge Protection -
Complete with your choice of
Type AC ROH Range RCBO's

Description	Part No.	Earth Arrangement
10 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PC2, 63A MCB & 8 ROH RCBO's of your choice.	MCU14/RCBO-1	TN-C-S
9 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-2PC2, 63A MCB & 7 ROH RCBO's of your choice.	MCU14/RCBO-2	TN-S
9 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PNEC2, 63A MCB & 7 ROH RCBO's of your choice.	MCU14/RCBO-3	TT
10 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-SM1PNEC2, 63A MCB & 8 ROH RCBO's of your choice.	MCU14/RCBO-4	TN-C-S, TN-S, TT
14 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PC2, 63A MCB & 12 ROH RCBO's of your choice.	MCU18/RCBO-1	TN-C-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-2PC2, 63A MCB & 11 ROH RCBO's of your choice.	MCU18/RCBO-2	TN-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PNEC2, 63A MCB & 11 ROH RCBO's of your choice.	MCU18/RCBO-3	TT
14 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-SM1PNEC2, 63A MCB & 12 ROH RCBO's of your choice.	MCU18/RCBO-4	TN-C-S, TN-S, TT

RCBO with Surge Loaded Lumo®

Type AC Miniature RCBO Consumer Units

Type AC Miniature RCBO Consumer Units with Surge Protection - Complete with your choice of Type AC Miniature ROM Range RCBO's



Features & Benefits

- > Pre-wired with Type 2 surge protection to suit your earthing arrangement.
- > Complete with 63A MCB for added protection, allowing the SPD to be safely isolated for maintenance, testing and short circuit protection.
- > 10mm² cable as standard to minimise voltage drop and maximise the SPD's voltage protection of equipment.

Description	Part No.	Earth Arrangement
10 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PC2, 63A MCB & 8 Type AC ROM RCBO's of your choice.	MCU14/RCBO-M1	TN-C-S
9 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-2PC2, 63A MCB & 7 Type AC ROM RCBO's of your choice.	MCU14/RCBO-M2	TN-S
9 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PNEC2, 63A MCB & 7 Type AC ROM RCBO's of your choice.	MCU14/RCBO-M3	TT
10 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-SM1PNEC2, 63A MCB & 8 Type AC ROM RCBO's of your choice.	MCU14/RCBO-M4	TN-C-S, TN-S, TT
14 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PC2, 63A MCB & 12 Type AC ROM RCBO's of your choice.	MCU18/RCBO-M1	TN-C-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-2PC2, 63A MCB & 11 Type AC ROM RCBO's of your choice.	MCU18/RCBO-M2	TN-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PNEC2, 63A MCB & 11 Type AC ROM RCBO's of your choice.	MCU18/RCBO-M3	TT
14 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-SM1PNEC2, 63A MCB & 12 Type AC ROM RCBO's of your choice.	MCU18/RCBO-M4	TN-C-S, TN-S, TT



RCBO with Surge Loaded Lumo®

Type A Miniature RCBO Consumer Units

Type A Miniature RCBO Consumer Units with Surge Protection - Complete with your choice of Miniature Type A ROM Range RCBO's



Features & Benefits

- > Pre-wired with Type 2 surge protection to suit your earthing arrangement.
- > Complete with 63A MCB for added protection, allowing the SPD to be safely isolated for maintenance, testing and short circuit protection.
- > 10mm² cable as standard to minimise voltage drop and maximise the SPD's voltage protection of equipment.

Description	Part No.	Earth Arrangement
10 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PC2, 63A MCB & 8 Type A ROM RCBO's of your choice.	MCU14/RCBO-M1A	TN-C-S
9 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-2PC2, 63A MCB & 7 Type A ROM RCBO's of your choice.	MCU14/RCBO-M2A	TN-S
9 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PNEC2, 63A MCB & 7 Type A ROM RCBO's of your choice.	MCU14/RCBO-M3A	TT
14 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PC2, 63A MCB & 12 Type A ROM RCBO's of your choice.	MCU18/RCBO-M1A	TN-C-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-2PC2, 63A MCB & 11 Type A ROM RCBO's of your choice.	MCU18/RCBO-M2A	TN-S
13 Useable Way Consumer Unit c/w IS2100 Isolator, Type 2 SPD-1PNEC2, 63A MCB & 11 Type A ROM RCBO's of your choice.	MCU18/RCBO-M3A	TT

Metal Lumo®

Retro-Fit Surge Protection Boards & Pattresses



Retro-Fit Surge Protection Boards

Features & Benefits

- > Pre-wired with Type 2 surge protection to suit your earthing arrangement.
- > Complete with 63A MCB for added protection, allowing the SPD to be safely isolated for maintenance, testing and short circuit protection.
- > 10mm² CSA cable as standard to minimise voltage drop, ensuring SPD is operating efficiently.
- > Conforms to BS EN 61439-3 & BS EN 61643-11.
- > 5 year warranty (excluding SPD plug-in modules).

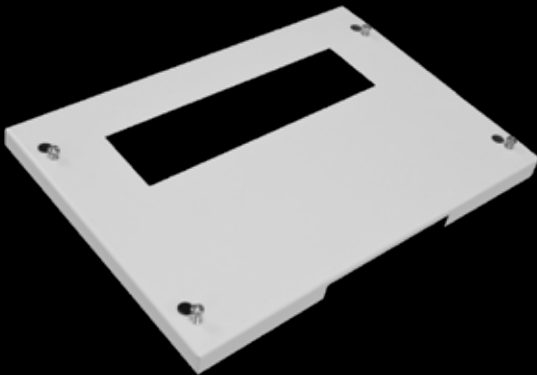


Description	Part No.	Earth Arrangement
4 Way MCU C/W Type 2 SPD-1PC2 & MD163B.	MCU04/W/6	TN-C-S
4 Way MCU C/W Type 2 SPD-2PC2 & MD163B.	MCU04/W/7	TN-S
4 Way MCU C/W Type 2 SPD-1PNEC2 & MD163B.	MCU04/W/8	TT
4 Way MCU C/W Type 2 SPD-SM1PNEC2 & MD163B.	MCU04/W/9	TN-C-S, TN-S, TT

Pattress

Features & Benefits

- > Made from 1.2mm painted steel.
- > Can be mounted onto walls where cables have been surface dressed.
- > White colour matches metal Lumo® consumer units



Description	Part No.
To fit a MCU14.	PATRESS 14
To fit a MCU18.	PATRESS 18
To fit a MCU22.	PATRESS 22

Ideal to cover surface dressed cables.

Metal Lumo®

Garage and Shower Units & Dimensions

18th Edition Compliant, LED Illuminated Garage & Shower Consumer Units

Features & Benefits

- > Available as either a Garage or a Shower Unit.
- > The Lumo® LED Feature is standard throughout the Consumer Unit Range.
- > All steel construction.
- > Multiple knockouts all around the unit including the rear.
- > Plenty of room for cabling making it easier to install.
- > Earth contact points for added safety.
- > Conforms to BS EN 61439-3; Tested by Intertek.
- > 5 year warranty.



Description	Part No.
Garage	
4 Way enclosure with 63A RCD, 6A & 16A MD B Curve MCB.	MCU04/W/1
4 Way enclosure with 63A RCD, 6A & 20A MD B Curve MCB.	MCU04/W/2
4 Way enclosure with 63A RCD, 6A & 32A B Curve MCB.	MCU04/W/3
Shower	
4 Way enclosure with 63A RCD, & 40A C Curve MCB.	MCU04/W/4
4 Way enclosure with 63A RCD, & 50A MD C Curve MCB.	MCU04/W/5

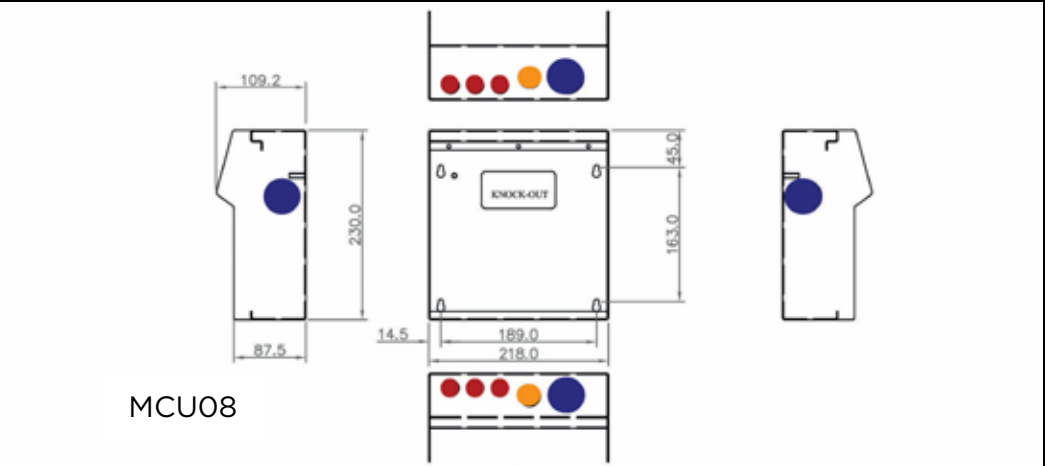
Dimensions, Knock Outs & Entry Points of a Consumer Unit (MCU)

> Sizes: (20mm Dia ●) (25mm Dia ●) (32mm Dia ●)

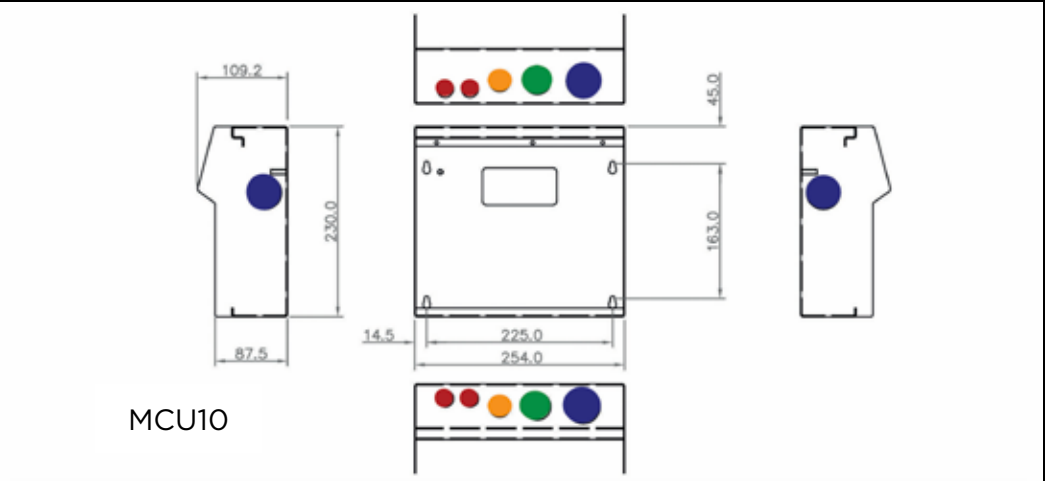


Dimensions, Knock Outs & Entry Points of a Consumer Unit (MCU)

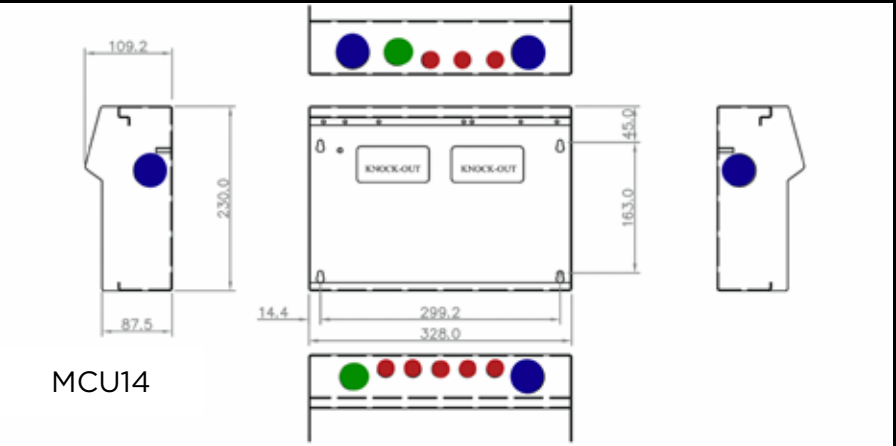
> Sizes: (20mm Dia ●) (25mm Dia ●) (32mm Dia ●) (40mm Dia ●)



MCU08



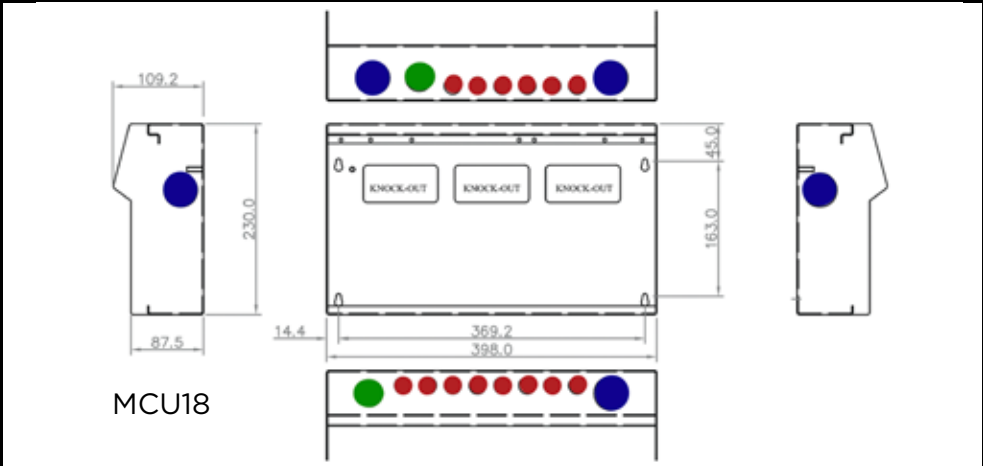
MCU10



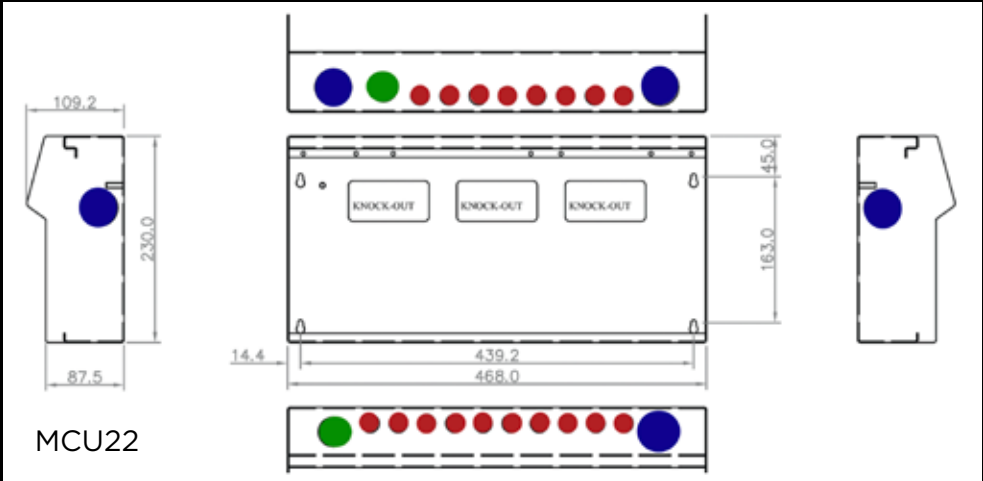
MCU14

Dimensions, Knock Outs & Entry Points of a Consumer Unit (MCU)

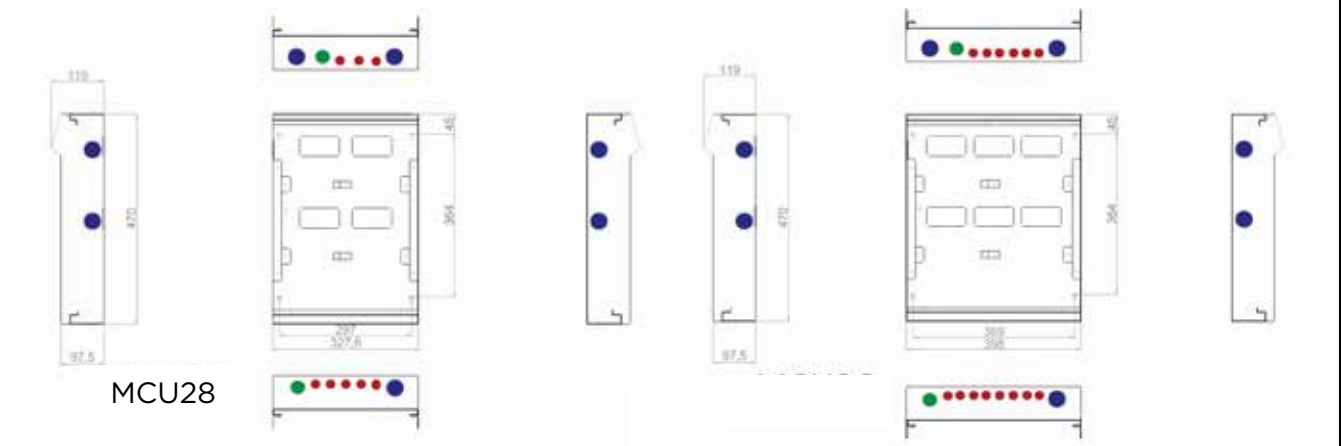
> Sizes: (20mm Dia ●) (25mm Dia ●) (32mm Dia ●) (40mm Dia ●)



MCU18



MCU22



MCU28

Populated Mini Metal Enclosures
& Unpopulated Mini Metal Enclosures



18th Edition Compliant Populated Mini Metal Enclosures



Features & Benefits

- > All steel construction.
- > DIN Rail - for mounting of circuit protection or modular components.
- > Pre-fitted Earth terminal bar.
- > Conforms to BS EN 61439-3.

Description	Part No.
4 Way IP44 Metal Enclosure c/w 63A RCD & 2 MD Miniature Circuit Breakers of your choice.	CU/M04-1
4 Way IP44 Metal Enclosure c/w 63A RCD & 6A & 16A MD MCB's.	CU/M04-1/2
4 Way IP44 Metal Enclosure c/w 63A RCD & 40A MD MCB.	CU/M04-1/3

Unpopulated Mini Enclosures

Features & Benefits

- > All steel construction.
- > DIN rail - for mounting of circuit protection or modular components.
- > Pre-fitted Earth terminal bar.
- > Pre-fitted neutral terminal bar (CU/M04 only)



CU/M04-U



CU/M04

Description	Part No.
2 Way Unpopulated unlidded.	CU/M02-U
3 Way Unpopulated unlidded.	CU/M03-U
4 Way Unpopulated unlidded.	CU/M04-U
4 Way Unpopulated with lid (18th Edition compliant).	CU/M04

Switch Fuse Unit
Modular Fuse Holder

18th Edition Compliant Populated Metal Clad Switch Fuse Units



Features & Benefits

- > All steel construction.
- > Comes with 3 x fuses - 60A, 80A & 100A.
- > Conforms to BS EN 61439-3, BS EN 60947-3, BS EN 60269-1 & BS EN 60269-4.

Description	Part No.
4 Way Metal Enclosure with 100A Isolator, Fuse Holder & Fuses x 3.	CU/M04-MFS

Modular Fuse Holder



Features & Benefits

- > For fuse protection of industrial and commercial installations.
- > Suitable for 22 x 58 HRC cylindrical fuses.
- > Lockable.
- > DIN rail mounting.
- > Rated current 100A.
- > Rated breaking capacity 120kA (690V).
- > Conforms to BS EN 60269-1 & BS EN 60269-4.
- > 60A, 80A & 100A rated fuses available separately.
- > Compatible with CU/M04-U and CU/M04 metal enclosures.

Description	Part No.
100A Modular Fuse Holder.	FH1100
60A gG Fuse.	FUSE-22x58-060
80A gG Fuse.	FUSE-22x58-080
100A gG Fuse.	FUSE-22x58-100

IP40 Plastic Enclosures

Mini Enclosures

IP40 Enclosures without Cover

Features & Benefits

- > Flexibility to suit many applications.
- > Available in two standard sizes.
- > Manufactured from flame retardant ABS plastic.
- > Open face - no lid.
- > DIN rail - for mounting circuit protection or modular components.
- > Conforms to BS EN 60439-1 & BS EN 60439-3.



Description	Part No.
2 Way, Unpopulated, no cover.	ECU02U
4 Way, Unpopulated, no cover.	ECU04U

A complete range of pre-loaded IP40 Mini Enclosures can be made to order.

IP40 Shower/Garage Units and Empty Enclosures

Features & Benefits

- > Flexibility to suit many applications.
- > Available in three standard sizes.
- > Manufactured from flame retardant ABS plastic.
- > Transparent lid.
- > DIN rail - for mounting circuit protection or modular components.
- > Conforms to BS EN 60439-1 & BS EN 60439-3.



Description	Part No.
4 Way, Unpopulated with cover.	ECU04
4 Way with 63A RCD, 40A B Curve MCB	ECU04/1
6 Way, Unpopulated with cover.	ECU06
6 Way with 63A RCD, 6A & 20A B Curve MCB	ECU06/1
8 Way, Unpopulated with cover.	ECU08

A complete range of pre-loaded IP40 Mini Enclosures can be made to order.



IP65 Plastic Enclosures

Shower / Garage Units & Empty Enclosures



Features & Benefits

- > Shower Unit - two versions of shower installation packs.
- > Garage Unit - three versions available which are suited to garages or outbuildings.
- > Manufactured from sturdy flame retardant plastic material.
- > Hinged cover with catch and gasket.
- > Fast release cover fixings.
- > Pre-wired to speed up installation time.
- > Conforms to BS EN 60439-3.

Description	Part No.
Shower Units	
3 Way with 63A RCD, 40A C Curve MCB.	CU03/1
3 Way with 63A RCD, 50A C Curve MCB.	CU03/2
Garage Units	
5 Way with 63A RCD, 6A & 20A B Curve MCB.	CU05/1
5 Way with 63A RCD, 6A & 16A B Curve MCB.	CU05/2
5 Way with 63A RCD, 6A & 32A B Curve MCB.	CU05/5
Empty Units	
3 Way Plastic Enclosure Unpopulated.	CU03
5 Way Plastic Enclosure Unpopulated.	CU05
8 Way Plastic Enclosure Unpopulated.	CU08

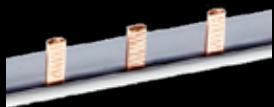
Accessories
& Busbars



PL01-A



CUBLANK



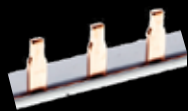
BB03



MCB BLANK



PL02



BUSBAR 3

Description	Part No.
Blanking Strip (3 Phase – Clip On).	CUBLANK
MCB Blank (Full Plastic).	MCB BLANK
Locking Device, 1 Pole MCB with Padlock for single pole MCB's and RCBO's	PL01-A
Locking Device, 2 & 3 Pole MCB for isolators, RCD's and MCB's (padlock not included).	PL02
CU Accessory Pack (for Plastic Consumer Units).	CU ACCESSORY PACK
Accessory Pack (for Metal Consumer Units).	MCU ACC PACK
1 Pole, 1 Metre Pin-Type, 63A.	BB01
1 Pole, 1 Metre Fork-Type, 63A.	BB01/F
1 Pole, Busbar End Cap.	BB01/E
2 Pole, 1 Metre Pin-Type 63A.	BB02
2 Pole, 1 Metre Fork-Type, 63A.	BB02/F
2 Pole, Busbar End Cap.	BB02/E
3 Pole, 1 Metre Pin-Type, 63A.	BB03
3 Pole, Busbar End Cap.	BB03/E
3 Pole, 1 Metre Fork Type, 63A.	BB03/F
1 Pole, 1 Metre Pin-Type, 100A.	BB01-100A
* 100A 1 Pole Busbars in various sizes up to 21 pins also available (see website for further details).	BUSBAR xx



Tail Glands

& Outgoing Circuit Glands

CPN Cudis Tail and Outgoing Circuit Glands offer a solution for wiring the Lumo® Consumer Unit



Features & Benefits

- > Grommet Packs seal and hold cables in place.
- > Maintains IP Ratings.

Description	Part No.
M40 Grey Plastic Tail Gland.	CPN40TG-GY
M40 Brass Tail Gland.	CPN40TG-BR
Grommet Pack (8 x M20, 3 x M25, 3 x M32).	CPN-GRM-PACK
M20 Grey Plastic Gland T&E 1mm - 1.5mm.	CPN-FL-1/1.5-GY
M20 Grey Plastic Gland T&E 2.5mm - 4mm.	CPN-FL2.5/4-GY
M25 Grey Plastic Gland T&E 6mm.	CPN-FL-6-GY
M25 Grey Plastic Gland T&E 2mm - 2.5mm.	CPN-FL-2X2.5-GY
M32 Grey Plastic Gland T&E 10mm - 16mm.	CPN-FL-10/16-GY
M20 Brass Gland T&E 1mm - 1.5mm.	CPN-FL-1/1.5-BR
M25 Brass Gland T&E 2.5mm - 4mm.	CPN-FL-2.5/4-BR
M25 Brass Gland suitable for T&E 6mm.	CPN-FL-6-BR
M25 Brass Gland suitable for T&E 2mm - 2.5mm.	CPN-FL-2X2.5-BR
M32 Brass Gland 10mm - 16mm.	CPN-FL10/16-BR
M40 Black Plastic Gland.	CPN40TG-BL
M20 Black Plastic Gland T&E 1mm - 1.5mm.	CPN-FL-1/1.5-BL
M20 Black Plastic Gland T&E 2.5mm - 4mm.	CPN-FL-2.5/4-BL
M25 Black Plastic Gland T&E 6mm.	CPN-FL-6-BL
M25 Black Plastic Gland T&E 2 x 2.5mm.	CPN-FL-2X2.5-BL
M32 Black Plastic Gland T&E 2.5mm-4mm.	CPN-FL-10/16-BL

TP&N Distribution Boards



Features and Benefits:

- > 125A Busbar rating.
- > 125A Main Switch included.
- > All steel construction.
- > Durable paint finish.
- > Complete with lockable door and key.
- > IP30 Rated.
- > Available with up to 18 three phase ways.
- > Single phasing kit offers 54 single phase way capacity.
- > Compatible devices:-
 - *MH Range 10kA rated MCBs (single & 3 pole, B, C & D Curves) Page 37*
 - *MC Range 6kA rated MCBs (single & 3 pole, B, C & D Curves) Page 36*
 - *ROSB Range 10kA RCBOs (B & C Curves) Page 41*
- > Conforms to BS EN 61439-3.
- > 18th Edition Compliant.

Description	Part No.	Dimensions
4 Way, TPN with 4 Pole 125A Main Switch.	DB04/125	w=450mm d=103mm h=450mm
6 Way, TPN with 4 Pole 125A Main Switch.	DB06/125	w=450mm d=103mm h=504mm
8 Way, TPN with 4 Pole 125A Main Switch.	DB08/125	w=450mm d=103mm h=558mm
10 Way, TPN with 4 Pole 125A Main Switch.	DB10/125	w=450mm d=103mm h=612mm
12 Way, TPN with 4 Pole 125A Main Switch.	DB12/125	w=450mm d=103mm h=665mm
14 Way, TPN with 4 Pole 125A Main Switch.	DB14/125	w=450mm d=103mm h=720mm
16 Way, TPN with 4 Pole 125A Main Switch.	DB16/125	w=450mm d=103mm h=774mm
18 Way, TPN with 4 Pole 125A Main Switch.	DB18/125	w=450mm d=103mm h=828mm
Single Phasing Kit.	DB SP-KIT	
Busbar Pin Covers (for use in 3 Phase Distribution Boards)	BUSBAR COVER	

RCD Sockets & Spurs

Type A

Features & Benefits

SMR13A/O30 & SPR13A/O30

- > Twin 13A 30mA RCD Switch Socket.
- > Integral Test Button.
- > 'Passive' type latching.
- > Type A.
- > Conforms to BS 7288:2016 & BS 1363.

SU13P

- > 13A 30mA Fused Spur.
- > Integral Test Button.
- > 'Passive' type latching.
- > Type A.
- > Conforms to BS 7288:2016 & BS 1363.

SU13M

- > 13A 30mA Fused Spur.
- > Integral Test Button.
- > 'Passive' type latching.
- > Type A.
- > Conforms to BS 7288:2016 & BS 1363.

N.B. There is a minimum order quantity of 20 for each of the RCD Sockets & Spurs.



Description	Part No.
13A Plastic, 2 Gang Switch Socket.	SPR13A/O30
13A Metal, 2 Gang Switch Socket.	SMR13A/O30
13A Plastic, 13A 30mA RCD Fused Spur.	SU13P
13A Metal, 13A 30mA RCD Fused Spur.	SU13M

Isolator Switches



Features & Benefits

- > Conforms to BS EN 60947-3.

> 6kA Breaking Capacity.

> Fit into CPN Cudis range of Consumer Units, Enclosures and 3 Phase Distribution Boards.
- > 100A & 125A versions are available.

> Capable of switching electrical circuits with load.

> Contact indication - ON/OFF.

> 5 year warranty.

Description	Part No.
100A, 2 Pole.	IS2100
125A, 2 Pole.	IS2125
100A, 3 Pole.	IS3100
125A, 3 Pole.	IS3125
100A, 4 Pole.	IS4100
125A, 4 Pole.	IS4125

Rotary Isolators

AC & DC



AC

Features & Benefits

- > Enclosed Rotary Isolator.
- > Constructed from tough flame retardant material.
- > Suitable for internal and external applications.
- > Fitted with several 22mm Gland Knockouts.
- > IP65 rated enclosure.
- > Earth and Neutral Bars fitted.
- > Ample internal space for cable installation.
- > Can be padlocked.
- > Conforms to BS EN 60947-3.

Description	Part No.
3 Pole	
20A	GR320
25A	GR325
32A	GR332
40A	GR340
63A	GR363
100A	GR3100
4 Pole	
20A	GR420
25A	GR425
32A	GR432
40A	GR440
63A	GR463
80A	GR480
100A	GR4100

DC

Features & Benefits

- > Enclosed Rotary Isolator.
- > Constructed from tough flame retardant material.
- > For applications where DC power control is required. e.g. to disconnect PVs from inverters.
- > Fitted with Gland Knockouts top, bottom and reverse.
- > IP66 rated enclosure - UV resistant.
- > Rated at 1000V.
- > Fixing hole dimensions on the back.
- > Conforms to BS EN 60947-1 & BS EN 60947-3.

Description	Part No.
2 Pole	
16A	GR216/DC
20A	GR220/DC
32A	GR232/DC

Surge Protection Devices

Selection Guide

THREAT FROM DIRECT STRIKE



Lightning Protection System Fitted? *

NO

Industrial / 3 Phase Application

Type 1 at Incoming Supply Main Panel

- TN-C-S SPD-3PNEC1-25
- TN-S SPD-3PNEC1-25
- TT SPD-3PNEC1-25



Type 2 at Distribution Boards greater than 10M away

- TN-C-S SPD-3PC2
- TN-S SPD-4PC2
- TT SPD-3PNEC2



Type 3 at Sensitive Equipment / Equipment greater than 10M away

CPN-BLACK-BOX



Small Commercial / Residential

Type 1 at Consumer Unit

- TN-C-S SPD-1PNEC1-25
- TN-S SPD-1PNEC1-25
- TT SPD-1PNEC1-25

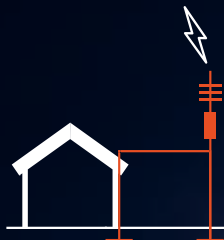


Type 3 at Sensitive Equipment / Equipment greater than 10M away

CPN-BLACK-BOX



THREAT FROM INDIRECT STRIKE



Overhead Supply or High Flash Density Region?

NO

Industrial / 3 Phase Application

Type 1 + 2 Combined at Incoming Supply Main Panel

- TN-C-S SPD-3PC1+2
- TN-S SPD-4PC1+2
- TT SPD-3PNEC1+2



Type 2 at Distribution Boards greater than 10M away

- TN-C-S SPD-3PC2
- TN-S SPD-4PC2
- TT SPD-3PNEC2



Type 3 at Sensitive Equipment / Equipment greater than 10M away

CPN-BLACK-BOX



Small Commercial / Residential

Type 1 + 2 Combined at Consumer Unit

- TN-C-S SPD-1PC1+2
- TN-S SPD-2PC1+2
- TT SPD-1PNEC1+2



Type 3 at Sensitive Equipment / Equipment greater than 10M away

CPN-BLACK-BOX



Industrial / 3 Phase Application

Type 2 at Incoming Supply Main Panel

- TN-C-S SPD-3PC2
- TN-S SPD-4PC2
- TT SPD-3PNEC2



Type 2 at Distribution Boards greater than 10M away

- TN-C-S SPD-3PC2
- TN-S SPD-4PC2
- TT SPD-3PNEC2



Type 2 at Consumer Unit

- TN-C-S, TN-S & TT SPD-SM1PNEC2
- TN-C-S SPD-1PC2
- TN-S SPD-2PC2
- TT SPD-1PNEC2



Type 3 at Sensitive Equipment / Equipment greater than 10m away

CPN-BLACK-BOX



* Often SPD is installed along with Lightning Protection System – verify SPD is installed and correct type installed.

Surge Protection Devices

Type 1 and Type 1 + 2

Type 1 Surge Arresters

Features & Benefits

- > For installation at the supply origin or in incoming power supply panels.
- > Type 1 protective device available in both Single Phase and Three Phase configurations.
- > High arresting capacity up to 25kA (10/350s) per pole.
- > For protection of buildings with lightning protection systems.
- > Simple standard DIN rail mounting.
- > Labelled connections.
- > Usable in systems with lightning protection class 1 - 4.
- > For use with TN-C-S, TN-S & TT earthing arrangements.

Description	Part No.
Single Phase, Type 1, Surge Arrester 25kA, 10/350s wave.	SPD-1PNEC1-25
3 Phase, Type 1, Surge Arrester 25kA, 10/350s wave.	SPD-3PNEC1-25

Type 1 + 2 Combined Surge Arresters

Features & Benefits

- > Conforms to BS EN 61643-1.
- > For the protection of buildings where the risk of lightning strike is high and for the protection and life extension of electrical equipment.
- > 1 Pole & NE, 3 Pole & NE available.
- > For use in incoming power supply panels / consumer units.
- > Usable in systems with lightning protection class 3 & 4.
- > For use with TN-C-S, TN-S & TT earthing arrangements.

Description	Part No.
1 Module, 1 Pole Type 1 + 2 for single phase, TN-C-S earthing.	SPD-1PC1+2
2 Module, 2 Pole Type 1 + 2 for single phase, TN-S earthing.	SPD-2PC1+2
3 Module, 3 Pole Type 1 + 2 for three phase, TN-C-S earthing.	SPD-3PC1+2
4 Module, 4 Pole Type 1 + 2 for three phase, TN-S earthing.	SPD-4PC1+2
2 Module, 1 Pole & N Surge Module, Type 1 + 2 for single phase, TT earthing.	SPD-1PNEC1+2
4 Module, 3 Pole & N Surge Module, Type 1 + 2 for three phase, TT earthing.	SPD-3PNEC1+2

N.B. To be used in conjunction with an overcurrent protection device no greater than 63A. SPDs do not draw current during normal non-transient operation.



Type 2 Surge Arresters



Features & Benefits

- > For use in distribution boards downstream of Type 1 or Type 1 + 2 devices or for use in incoming power supply panels / consumer units with low exposure to lightning strikes.
- > Conforms to BS EN 61643-1.
- > For protection and life extension of electrical and electronic equipment.
- > 1 Pole & NE, 3 Pole & NE available.
- > Type 2 protective devices available in Single Phase and Three Phase configurations.

Description	Part No.
1 Module, 2 Pole Type 2 for single phase, TN-C-S, TN-S & TT earthing.	SPD-SM1PNEC2
1 Module, 1 Pole Type 2 for single phase, TN-C-S earthing.	SPD-1PC2
2 Module, 2 Pole Type 2 for single phase, TN-S earthing.	SPD-2PC2
3 Module, 3 Pole Type 2 for three phase, TN-C-S earthing.	SPD-3PC2
4 Module, 4 Pole Type 2 for three phase, TN-S earthing.	SPD-4PC2
2 Module, 1 Pole & N Surge Module, Type 2 for single phase, TT earthing.	SPD-1PNEC2
4 Module, 3 Pole & N Surge Module, Type 2 for three phase, TT earthing.	SPD-3PNEC2

N.B. All Surge Protection Devices (SPD Range) to be used in conjunction with an overcurrent protection device no greater than 63A. SPDs do not draw current during normal non-transient operation.

Type 1 + 2 and Type 2 Single Phase SPD Wiring Kits



Features & Benefits

- > 16mm² braided flexible cable with welded termination ends – for ease of installation.
- > Earth cable 400mm.
- > Live cable 320mm.
- > Neutral cable 470mm.
- > 2 pin busbar for live connection from isolator to protective and isolating MCB.
- > Supplied in plastic bag suitable for Eurohook display.
- > Wiring diagrams provided on the bag.
- > Suitable for wiring all single phase Type 1 + 2 and surge protection devices.
- > Cable lengths long enough to fit in all sizes of MCU consumer units.

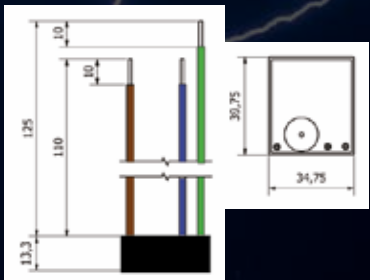
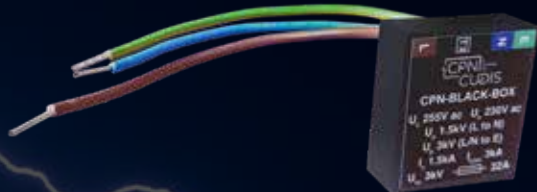
Description	Part No.
SPD Kit with cabling & 2 pin busbar	SPD-1PH-1-KIT
SPD Kit with cabling, 2 pin busbar & single pole 63A 10kA rated protective MCB	SPD-1PH-2-KIT

Surge Protection Devices

Type 3

Features & Benefits

- > A Type 3 Surge Arrester is a flexible solution to protect individual pieces of equipment in addition to Type 2 devices.
- > Suited for protection of sensitive electronic devices, ring mains, individual sockets, switch spurs, lighting, fire alarm panels, CCTV cameras etc.
- > Its small size means it can be mounted in confined spaces.
- > It has an audible alarm, which indicates when the arrester needs to be replaced.
- > The CPN Black Box offers 10m of protection to either side of the device it is installed on.
- > IP50 rated.
- > Nominal AC Voltage 230V, Nominal Discharge Current 1.5kA.
- > Short circuit withstand capability for mains-side and over current protection with 32A with gL/gG.



Black Box Class 3, Type 3 Surge Arrester

Description	Part No.
Class 3, Type 3 Surge Arrester	CPN-BLACK-BOX

Surge Counter

Description	Part No.
2 module, surge counter & 240V AC Supply, DIN Rail mounting.	SPD-COUNTER

For surge loaded consumer units see pages 11 - 14.



SPD-COUNTER



RCDs

2 & 4 Pole - RC Range

Features & Benefits

- > Protects against earth leakage current.
- > Function of isolation.
- > L & N disconnection.
- > Contact Position indicator ON/OFF.
- > AC, A and B Types available.
- > Time Delay versions available.
- > Integral Test Button.
- > * 2 Pole Type B RCDs are 4 module width.
- > Conforms to BS EN 61008-1.
- > 5 year warranty.



Description		Part No.				
2 Pole	30mA Type AC	30mA Type A	100mA Type AC	300mA Type AC	30mA Type B	300mA Type B
25A	RC225/030	RC225/030A	RC225/100	RC225/300		
40A	RC240/030	RC240/030A	RC240/100	RC240/300		
63A	RC263/030	RC263/030A	RC263/100	RC263/300	RC263/030B*	RC263/300B*
80A	RC280/030	RC280/030A	RC280/100	RC280/300		
100A	RC2100/030	RC2100/030A	RC2100/100	RC2100/300		

Description		Part No.				
4 Pole	30mA Type AC	30mA Type A	100mA Type AC	300mA Type AC	30mA Type B	300mA Type B
25A	RC425/030	RC425/030A	RC425/100	RC425/300		
40A	RC440/030	RC440/030A	RC440/100	RC440/300		
63A	RC463/030	RC463/030A	RC463/100	RC463/300	RC463/030B	RC463/300B
80A	RC480/030	RC480/030A	RC480/100	RC480/300		
100A	RC4100/030	RC4100/030A	RC4100/100	RC4100/300		

Time Delayed

RCDs



2 & 4 Pole - Time Delayed RC Range

Features & Benefits

- > Protects against earth leakage current.

> Function of isolation.

> L & N disconnection.

> Contact Position indicator ON/OFF.
- > Integral Test Button.

> Conforms to BS EN 61008-1.

> 5 year warranty.

N.B. Type A Time Delayed RCDs may carry a lead time. Please ask our sales team for details.

Description		Part No.
2 Pole		
Type AC		Type A
25A, 30mA	RC225/030T	RC225/030ASI
40A, 30mA	RC240/030T	RC240/030ASI
63A, 30mA	RC263/030T	RC263/030ASI
80A, 30mA	RC280/030T	RC280/030ASI
100A, 30mA	RC2100/030T	RC2100/030ASI
100A, 100mA	RC2100/100T	
100A, 300mA	RC2100/300T	

Description		Part No.
4 Pole		
Type AC		Type A
25A, 30mA	RC425/030T	RC425/030ASI
40A, 30mA	RC440/030T	RC440/030ASI
63A, 30mA	RC463/030T	RC463/030ASI
80A, 30mA	RC480/030T	RC480/030ASI
100A, 30mA	RC4100/030T	RC4100/030ASI
100A, 100mA	RC4100/100T	
100A, 300mA	RC4100/300T	

MCBs

MD Range

6kA rated

Features & Benefits

- > For use in the CPN Cudis range of Consumer Units and Mini Enclosures.

> **NOT FOR USE** in 3 Phase Distribution Boards.

> For use as stand-alone protection.

> Can be used as an infrequent ON/OFF switch.

> Conforms to BS EN 60898-1.

> 6kA rated.

> 5 year warranty.



Description	Part No.
2A, Single Pole, B Curve, 6kA, MCB.	MD102B
4A, Single Pole, B Curve, 6kA, MCB.	MD104B
6A, Single Pole, B Curve, 6kA, MCB.	MD106B
10A, Single Pole, B Curve, 6kA, MCB.	MD110B
16A, Single Pole, B Curve, 6kA, MCB.	MD116B
20A, Single Pole, B Curve, 6kA, MCB.	MD120B
25A, Single Pole, B Curve, 6kA, MCB.	MD125B
32A, Single Pole, B Curve, 6kA, MCB.	MD132B
40A, Single Pole, B Curve, 6kA, MCB.	MD140B
50A, Single Pole, B Curve, 4.5kA, MCB.	MD150B
63A, Single Pole, B Curve, 4.5kA, MCB.	MD163B

MCBs

MC Range



MCBs

MH Range

6kA Rated

10kA Rated



Description		Part Number		
Single Pole	B Curve	C Curve	D Curve	
2A	MC102B	MC102C	MC102D	
4A	MC104B	MC104C	MC104D	
6A	MC106B	MC106C	MC106D	
10A	MC110B	MC110C	MC110D	
16A	MC116B	MC116C	MC116D	
20A	MC120B	MC120C	MC120D	
25A	MC125B	MC125C	MC125D	
32A	MC132B	MC132C	MC132D	
40A	MC140B	MC140C	MC140D	
50A	MC150B	MC150C	MC150D	
63A	MC163B	MC163C	MC163D	
Double Pole	B Curve	C Curve	D Curve	
2A	MC202B	MC202C	MC202D	
4A	MC204B	MC204C	MC204D	
6A	MC206B	MC206C	MC206D	
10A	MC210B	MC210C	MC210D	
16A	MC216B	MC216C	MC216D	
20A	MC220B	MC220C	MC220D	
25A	MC225B	MC225C	MC225D	
32A	MC232B	MC232C	MC232D	
40A	MC240B	MC240C	MC240D	
50A	MC250B	MC250C	MC250D	
63A	MC263B	MC263C	MC263D	
Three Pole	B Curve	C Curve	D Curve	
2A	MC302B	MC302C	MC302D	
4A	MC304B	MC304C	MC304D	
6A	MC306B	MC306C	MC306D	
10A	MC310B	MC310C	MC310D	
16A	MC316B	MC316C	MC316D	
20A	MC320B	MC320C	MC320D	
25A	MC325B	MC325C	MC325D	
32A	MC332B	MC332C	MC332D	
40A	MC340B	MC340C	MC340D	
50A	MC350B	MC350C	MC350D	
63A	MC363B	MC363C	MC363D	

Description		Part Number		
Single Pole	B Curve	C Curve	D Curve	
2A	MH102B	MH102C	MH102D	
4A	MH104B	MH104C	MH104D	
6A	MH106B	MH106C	MH106D	
10A	MH110B	MH110C	MH110D	
16A	MH116B	MH116C	MH116D	
20A	MH120B	MH120C	MH120D	
25A	MH125B	MH125C	MH125D	
32A	MH132B	MH132C	MH132D	
40A	MH140B	MH140C	MH140D	
50A	MH150B	MH150C	MH150D	
63A	MH163B	MH163C	MH163D	
Double Pole	B Curve	C Curve	D Curve	
2A	MH202B	MH202C	MH202D	
4A	MH204B	MH204C	MH204D	
6A	MH206B	MH206C	MH206D	
10A	MH210B	MH210C	MH210D	
16A	MH216B	MH216C	MH216D	
20A	MH220B	MH220C	MH220D	
25A	MH225B	MH225C	MH225D	
32A	MH232B	MH232C	MH232D	
40A	MH240B	MH240C	MH240D	
50A	MH250B	MH250C	MH250D	
63A	MH263B	MH263C	MH263D	
Three Pole	B Curve	C Curve	D Curve	
2A	MH302B	MH302C	MH302D	
4A	MH304B	MH304C	MH304D	
6A	MH306B	MH306C	MH306D	
10A	MH310B	MH310C	MH310D	
16A	MH316B	MH316C	MH316D	
20A	MH320B	MH320C	MH320D	
25A	MH325B	MH325C	MH325D	
32A	MH332B	MH332C	MH332D	
40A	MH340B	MH340C	MH340D	
50A	MH350B	MH350C	MH350D	
63A	MH363B	MH363C	MH363D	



Features & Benefits

- > For use in CPN Cudis 3 Phase Distribution Boards, Consumer Units and Mini Enclosures.

> Not to be installed alongside MD, MH & ROM Ranges in Single Phase Boards.

> Conforms to BS EN 60898-1.
- > Protects against overloads and short circuits.

> Can be used as an infrequent ON/OFF switch.

> Available in 1, 2 & 3 module widths.

> 5 year warranty.

Features & Benefits

- > For use in CPN Cudis 3 Phase Distribution Boards, Consumer Units and Mini Enclosures.

> Conforms to BS EN 60898-1.

> Protects against overloads and short circuits.
- > Can be used as an infrequent ON/OFF switch.

> Available in 1, 2 & 3 module widths.

> 5 year warranty.

MCBs - MB Range
& MCB Auxiliaries



RCBOs
ROH Range

MB Range

Features & Benefits

- > For use in CPN Cudis range of consumer units and mini enclosures.
- > **NOT FOR USE** in 3 Phase Distribution Boards.
- > Din rail mounting.
- > Wired connections only.
- > Conforms to BS EN 60898-1.
- > For use as stand-alone protection.
- > Can be used as an infrequent ON/OFF switch.
- > 5 year warranty.
- > Higher current ratings than standard MCB's.



Description	Part No.
80A, Double pole, Industrial Type MCB, 10kA, B curve (3 modules wide)	MB280B
80A, Double pole, Industrial Type MCB, 10kA, C curve (3 modules wide)	MB280C
80A, Triple pole, Industrial Type MCB, 10kA, C curve (4 ½ modules wide)	MB380C
100A, Triple pole, Industrial Type MCB, 10kA, C curve (4 ½ modules wide)	MB3100C
125A, Four pole, Industrial Type MCB, 10kA, C curve (6 modules wide)	MB4125C

MCB Auxiliaries

Features & Benefits

MC-A - Auxiliary Signal Contact

- > Rated at 230 - 240V.
- > Mounts onto the left side of MC range or MH range of MCBs.
- > Used for volt-free contacts, e.g. to connect an alarm (or similar) to give an indication of a MCB contact position.

MC-S - Shunt Trip 230V

- > Complies with BS EN 60947-5.
- > Rated at 230 - 240V.
- > Fits the MC and MH range of MCBs.
- > If voltage is applied MC-S will switch off the attached MCB.
- > Ideal applications include 'stop' circuits when manual reset of the device is required.
- > Ideal when the power-up process after a voltage loss / trip may be damaging or dangerous.
- > Prevents potential risk as the unit has to be manually reset.



Features & Benefits

- > Compatible with MCU & CU/M Consumer Units.
- > **NOT FOR USE** in 3 Phase Distribution Boards.
- > Conforms to BS EN 61009-1.
- > 1 pole and Neutral.
- > 10kA breaking capacity.
- > Type AC available.
- > Earth Leakage rating 30mA.
- > A combination of MCB and RCD protection.
- > Integral Test Button.

Description	Part No.
B Curve	Type AC
1 Pole, 6A B Curve, 30mA RCBO.	ROH106B/030
1 Pole, 10A B Curve, 30mA RCBO.	ROH110B/030
1 Pole, 16A B Curve, 30mA RCBO.	ROH116B/030
1 Pole, 20A B Curve, 30mA RCBO.	ROH120B/030
1 Pole, 25A B Curve, 30mA RCBO.	ROH125B/030
1 Pole, 32A B Curve, 30mA RCBO.	ROH132B/030
1 Pole, 40A B Curve, 30mA RCBO.	ROH140B/030

Description	Part No.
C Curve	Type AC
1 Pole, 6A C Curve, 30mA RCBO.	ROH106C/030
1 Pole, 10A C Curve, 30mA RCBO.	ROH110C/030
1 Pole, 16A C Curve, 30mA RCBO.	ROH116C/030
1 Pole, 20A C Curve, 30mA RCBO.	ROH120C/030
1 Pole, 25A C Curve, 30mA RCBO.	ROH125C/030
1 Pole, 32A C Curve, 30mA RCBO.	ROH132C/030
1 Pole, 40A C Curve, 30mA RCBO.	ROH140C/030

N.B. The MCB Auxiliaries range is NOT compatible with the MD or MB Range of MCB's.

RCBOs - ROM Range

Miniature RCBOs

Features & Benefits

- > For use in Consumer Units.
- > NOT FOR USE in 3 Phase Distribution Boards.
- > 1 Pole and Neutral.
- > 6kA breaking capacity 6-40A.
- > 10kA breaking capacity 50-63A.
- > MCB sized 6-40A.
- > Earth Leakage rating 30mA.
- > Type AC & A available.
- > Conforms to BS EN 61009-1.



Description	Part No.	
B Curve	Type AC	Type A
1 Pole, 6A B Curve, 30mA RCBO.	ROM-106B/030	ROM-106B/030A
1 Pole, 10A B Curve, 30mA RCBO.	ROM-110B/030	ROM-110B/030A
1 Pole, 16A B Curve, 30mA RCBO.	ROM-116B/030	ROM-116B/030A
1 Pole, 20A B Curve, 30mA RCBO.	ROM-120B/030	ROM-120B/030A
1 Pole, 25A B Curve, 30mA RCBO.	ROM-125B/030	ROM-125B/030A
1 Pole, 32A B Curve, 30mA RCBO.	ROM-132B/030	ROM-132B/030A
1 Pole, 40A B Curve, 30mA RCBO.	ROM-140B/030	ROM-140B/030A
1 Pole, 50A B Curve, 30mA RCBO.		ROM+150B/030A
1 Pole, 63A B Curve, 30mA RCBO.		ROM+163B/030A

Description	Part No.	
C Curve	Type AC	Type A
1 Pole, 6A C Curve, 30mA RCBO.	ROM-106C/030	ROM-106C/030A
1 Pole, 10A C Curve, 30mA RCBO.	ROM-110C/030	ROM-110C/030A
1 Pole, 16A C Curve, 30mA RCBO.	ROM-116C/030	ROM-116C/030A
1 Pole, 20A C Curve, 30mA RCBO.	ROM-120C/030	ROM-120C/030A
1 Pole, 25A C Curve, 30mA RCBO.	ROM-125C/030	ROM-125C/030A
1 Pole, 32A C Curve, 30mA RCBO.	ROM-132C/030	ROM-132C/030A
1 Pole, 40A C Curve, 30mA RCBO.	ROM-140C/030	ROM-140C/030A



Description	Part No.
B Curve	Type AC
1 Pole, 6A B Curve, 30mA RCBO.	ROSB-106B/030
1 Pole, 10A B Curve, 30mA RCBO.	ROSB-110B/030
1 Pole, 16A B Curve, 30mA RCBO.	ROSB-116B/030
1 Pole, 20A B Curve, 30mA RCBO.	ROSB-120B/030
1 Pole, 25A B Curve, 30mA RCBO.	ROSB-125B/030
1 Pole, 32A B Curve, 30mA RCBO.	ROSB-132B/030
1 Pole, 40A B Curve, 30mA RCBO.	ROSB-140B/030
1 Pole, 50A B Curve, 30mA RCBO.	ROSB-150B/030

Description	Part No.
C Curve	Type AC
1 Pole, 6A C Curve, 30mA RCBO.	ROSB-106C/030
1 Pole, 10A C Curve, 30mA RCBO.	ROSB-110C/030
1 Pole, 16A C Curve, 30mA RCBO.	ROSB-116C/030
1 Pole, 20A C Curve, 30mA RCBO.	ROSB-120C/030
1 Pole, 25A C Curve, 30mA RCBO.	ROSB-125C/030
1 Pole, 32A C Curve, 30mA RCBO.	ROSB-132C/030
1 Pole, 40A C Curve, 30mA RCBO.	ROSB-140C/030
1 Pole, 50A C Curve, 30mA RCBO.	ROSB-150C/030

Features & Benefits

- > For 3 Phase Distribution Board application.
- > 1 pole and Neutral.
- > 10kA breaking capacity.
- > Earth Leakage rating 30mA.
- > Type AC available.
- > Conforms to BS EN 61009-1.
- > A combination of MCB and RCD protection.
- > Overload and short circuit protection in one unit.
- > Integral Test Button.

RCBOs

ROSB Range

Double Pole RCBOs

RO2 Range



Features & Benefits

- > 2 Module, 2 Pole electromagnetic RCBO.
- > 10kA breaking capacity.
- > Earth Leakage rating 30mA.
- > AC versions available.
- > Conforms to BS EN 61009-1.
- > Ideal for when L & N disconnection is required.



Description	Part No.
B Curve	Type AC
2 Pole, 6A B Curve, 30mA RCBO.	RO2-06B/030
2 Pole, 10A B Curve, 30mA RCBO.	RO2-10B/030
2 Pole, 16A B Curve, 30mA RCBO.	RO2-16B/030
2 Pole, 20A B Curve, 30mA RCBO.	RO2-20B/030
2 Pole, 25A B Curve, 30mA RCBO.	RO2-25B/030
2 Pole, 32A B Curve, 30mA RCBO.	RO2-32B/030
2 Pole, 40A B Curve, 30mA RCBO.	RO2-40B/030
2 Pole, 50A B Curve, 30mA RCBO.	RO2-50B/030
2 Pole, 63A B Curve, 30mA RCBO.	RO2-63B/030

Description	Part No.
C Curve	Type AC
2 Pole, 6A C Curve, 30mA RCBO.	RO2-06C/030
2 Pole, 10A C Curve, 30mA RCBO.	RO2-10C/030
2 Pole, 16A C Curve, 30mA RCBO.	RO2-16C/030
2 Pole, 20A C Curve, 30mA RCBO.	RO2-20C/030
2 Pole, 25A C Curve, 30mA RCBO.	RO2-25C/030
2 Pole, 32A C Curve, 30mA RCBO.	RO2-32C/030
2 Pole, 40A C Curve, 30mA RCBO.	RO2-40C/030
2 Pole, 50A C Curve, 30mA RCBO.	RO2-50C/030
2 Pole, 63A C Curve, 30mA RCBO.	RO2-63C/030

N.B. 50A & 63A RO2 RCBOs may carry a lead time. Please ask our sales team for details.

Double Pole RCBOs

RO2NE Range

Features & Benefits

- > Single Module, 2 Pole MCB sized RCBO.
- > 6kA breaking capacity.
- > Earth leakage rating 30mA.
- > Ideal for when L & N disconnection is required.
- > Conforms to BS EN 61009-1.



Description	Part No.
2 Pole, 1 Module	Type AC
6A, C Curve 6kA, RCBO.	RO2-NE206C/030
10A, C Curve 6kA, RCBO.	RO2-NE210C/030
16A, C Curve 6kA, RCBO.	RO2-NE216C/030
25A, C Curve 6kA, RCBO.	RO2-NE225C/030
32A, C Curve 6kA, RCBO.	RO2-NE232C/030
40A, C Curve 6kA, RCBO.	RO2-NE240C/030

N.B. Type A RO2NE RCBOs are available in this range, however they may carry a lead time. Please ask our sales team for details.

Modular Timers



Features & Benefits

24 Hour On/Off Mechanical Analogue Timer, 16A - MODT180

24-hour Analogue Timer

- > Switch loads up to 16A.
- > Ideal for outside lighting, heating systems or similar.
- > 24-hour ON/OFF with 96x 15 minute segments.
- > Switching status indicator.
- > Permanent ON/OFF switching.

7 Day Digital Timer, 15A - MODT15D

7-Day Digital Timer

- > Switch loads up to 16A.
- > 2 module width.
- > Electronic with LCD Display.
- > Ideal for outside lighting, heating systems or similar.
- > 7 day 24 hour ON/OFF programming.
- > Permanent ON/OFF switching.
- > Battery back up.

Staircase Timer 30 Seconds - 20 Minutes, 16A - MODST18

Staircase Timer

- > Switch loads up to 16A.
- > Suitable for most lighting types.
- > Ideal for controlling stair lighting in communal areas.
- > Simple time setting: 30 seconds - 20 minutes.



Description	Part No.
24 Hour On/Off Mechanical Analogue Timer, 16A.	MODT180
7 Day Digital Timer, 16A.	MODT15D
Staircase Timer 30 Seconds - 20 Minutes, 16A.	MODST18

Modular Contactors

Features & Benefits

- > Conforms to BS EN 61095 and BS EN 60947-1.
- > Fits into the standard Enclosures and Consumer Units.
- > Ideal for controlling lighting loads and heating systems.
- > Electro-magnetic mechanism free of noise. (hum free in operation.)
- > Contact position indicator.
- > Rated voltage 230V.
- > Contacts: N/O.
- > DIN rail or panel mounting.



Description	Part No.
20A, 2 Pole (comes with spacers).	MODC2/20
40A, 2 Pole.	MODC2/40
20A, 4 Pole.	MODC4/20
40A, 4 Pole.	MODC4/40
63A, 4 Pole.	MODC4/63

Voltage Optimisation

Single Phase



An introduction to Voltage Optimisation

Voltage optimisation creates a voltage that derives energy savings by providing a voltage closer to the parameters of your appliances. Although it does not directly make an energy saving, ultimately the result of optimisation means less power consumption.

- Q: Why do we need to optimise supplies?**
- A: Because supplied grid voltages are higher than the appliances optimal voltage requirement, which results in:
- The operating life of appliances being reduced dramatically.
 - The appliance consumes more power than their optimal requirement.
 - Electric bills and the carbon footprint of the appliance is unnecessarily raised.
- Q: Who should optimise their supply voltages?**
- A: Anyone with a voltage that operates persistently at 234V or higher, this accounts for about 90% of UK homes and businesses.
- Q: What savings can be expected?**
- A: Voltage optimisation doesn't save kWh itself. It creates a condition for savings to be achieved via a reduction in demand, therefore a typical saving of between 6 - 14% from the usual cost of an electricity bill.

Features & Benefits

- > Cost effective, extremely efficient and contributes towards a low carbon footprint.
- > Independently tested and certified by Intertek.
- > Conforms to Low Voltage Directive 2014/35/EU, BS EN 61558-2-13:2009 & BS EN 61558-1:2005 & A1:2009.
- > IP Rating: Class 1, IP20.
- > Input (Volts): Nominal Input voltage 235-253V, 50Hz.
- > Output: Input Voltage *92.5% (217-234VAC) Max Load 60A, 14kW.
- > 5 year warranty.



Description	Part No.
-------------	----------

B60 Voltage Optimisation Unit	
63A Single Phase Voltage Optimisation Unit.	CPNB60

N.B. Cudis also offer a 100A Single Phase Voltage Optimisation Unit and a range of 3 phase units rated up to 400A. These units may carry a lead time. Please ask our sales team for details.

Control Gear

Contactor Applications

Contactors can be combined with snap-mounted accessories to suit multiple applications.



Contactor



Delay Timer



Time-Delay Contactor



Contactor



Thermal Relay



Magnetic Starter



Contactors



Delay Timer



Auxiliary Timer



Star-Delta Starter

Control Gear

3 Pole Contactors with Auxiliary



Features & Benefits

- > 3 Pole Contactors with auxiliary.
- > AC contactors are for use in high current load switching applications, including the frequent starting and control of motors.
- > A variety of complimentary Auxiliaries, Pneumatic Timers and Thermal Overload Relays available.
- > 240V Coil as standard.
- > Other AC coil options available (require installation) 24V (B7), 48V (E7), 110V (F7), 240V (U7), 415V (N7).
- > DIN rail or panel mount.
- > Conforms to BS EN 60947-4-1.

Description	AC1 Rating	AC3 Rating	kW Rating	Part No.
	Non-inductive / slightly inductive loads eg heaters, distribution	Highly inductive loads eg squirrel cage motor		

Normally Open

N/O Auxiliary.	20A	9A	4kW	CC30910**
N/O Auxiliary.	20A	12A	5.5kW	CC31210**
N/O Auxiliary.	32A	18A	7.5kW	CC31810**
N/O Auxiliary.	40A	25A	11kW	CC32510**
N/O Auxiliary.	50A	32A	15kW	CC33210**

Normally Closed

N/C Auxiliary.	20A	9A	4kW	CC30901**
N/C Auxiliary.	20A	12A	5.5kW	CC31201**
N/C Auxiliary.	32A	18A	7.5kW	CC31801**
N/C Auxiliary.	40A	25A	11kW	CC32501**
N/C Auxiliary.	50A	32A	15kW	CC33201**

Normally Open, Normally Closed

N/O, N/C Auxiliary.	60A	40A	18.5kW	CC34011**
N/O, N/C Auxiliary.	80A	50A	22kW	CC35011**
N/O, N/C Auxiliary.	80A	65A	30kW	CC36511**
N/O, N/C Auxiliary.	125A	80A	37kW	CC38011**
N/O, N/C Auxiliary.	125A	95A	45kW	CC39511**

** State coil voltage on ordering - B7 24V; E7 48V; F7 110V; U7 240V; N7 415V

Control Gear

4 Pole Contactors

Features & Benefits

- > 4 Pole Contactors.
- > AC contactors are for use in high current load switching applications, including the frequent starting and control of motors.
- > A variety of complimentary Auxiliaries, Pneumatic Timers and Thermal Overload Relays available.
- > 240V Coil as standard.
- > Other AC coil options available (require installation) 24V (B7), 48V (E7), 110V (F7), 240V (U7), 415V (N7).
- > DIN rail or panel mount.
- > Conforms to BS EN 60947-4-1.



Description	AC1 Rating	AC3 Rating	kW Rating	Part No.
	Non-inductive / slightly inductive loads eg heaters, distribution	Highly inductive loads eg squirrel cage motor		

4 Normally Open Poles

4 N/O Poles.	20A	9A	4kW	CC409004**
4 N/O Poles.	20A	12A	5.5kW	CC412004**
4 N/O Poles.	40A	25A	11kW	CC425004**
4 N/O Poles.	60A	40A	18.5kW	CC440004**
4 N/O Poles.	80A	50A	22kW	CC450004**
4 N/O Poles.	100A	65A	30kW	CC465004**
4 N/O Poles.	110A	80A	37kW	CC480004**
4 N/O Poles.	110A	95A	45kW	CC495004**

2 Normally Open, 2 Normally Closed Poles

2 N/O, 2 N/C Poles.	20A	9A	4kW	CC409008**
2 N/O, 2 N/C Poles.	20A	12A	5.5kW	CC412008**
2 N/O, 2 N/C Poles.	40A	25A	11kW	CC425008**
2 N/O, 2 N/C Poles.	60A	40A	18.5kW	CC440008**
2 N/O, 2 N/C Poles.	80A	50A	22kW	CC450008**
2 N/O, 2 N/C Poles.	80A	65A	30kW	CC465008**
2 N/O, 2 N/C Poles.	125A	80A	37kW	CC480008**
2 N/O, 2 N/C Poles.	125A	95A	45kW	CC495008**

** State coil voltage on ordering - B7 24V; E7 48V; F7 110V; U7 240V; N7 415V

Control Gear Spare Coils



Features & Benefits

- > Replacement coils for use in the CC Range of 3 & 4 Pole Contactors.
- > Replacement coils for use in the range of Direct Online Starters.

Description	Part No.
Coils for CC09-CC18 Contactor Range (e.g. for CC30910U7)	
24V AC	CS112B7
48V AC	CS112E7
110V AC	CS112F7
240V AC	CS112U7
415V AC	CS112N7

Description	Part No.
Coils for CC25-CC32 Contactor Range (e.g. for CC32510U7)	
24V AC	CS132B7
48V AC	CS132E7
110V AC	CS132F7
240V AC	CS132U7
415V AC	CS132N7

Description	Part No.
Coils for CC40-CC95 Contactor Range (e.g. for CC34011U7)	
24V AC	CS140B7
48V AC	CS140E7
110V AC	CS140F7
240V AC	CS140U7
415V AC	CS140N7

Control Gear Overload Relays



Features & Benefits

- > Suitable for the CC3 and CC4 range of Contactors.
- > Thermal overload relays are used for over-current protection of AC motors.
- > Rated for 0.10A - 93A.
- > Complete with Integral test flag.
- > Complete with auto/manual reset.
- > Conforms to BS EN 60947-4-1.

Description	Part No.	Suitable for Contactor
0.10 - 0.16A Overload.	CR0.16D	CC3/CC409-32
0.16 - 0.25A Overload.	CR0.25D	CC3/CC409-32
0.25 - 0.40A Overload.	CR0.40D	CC3/CC409-32
0.40 - 0.63A Overload.	CR0.63D	CC3/CC409-32
0.63 - 1.00A Overload.	CR1.00D	CC3/CC409-32
1.00 - 1.60A Overload.	CR1.60D	CC3/CC409-32
1.60 - 2.50A Overload.	CR2.50D	CC3/CC409-32
2.50 - 4.00A Overload.	CR4.00D	CC3/CC409-32
4.00 - 6.00A Overload.	CR6.00D	CC3/CC409-32
5.50 - 8.00A Overload.	CR8.00D	CC3/CC409-32
7.00 - 10.0A Overload.	CR10.0D	CC3/CC409-32
9.00 - 13.0A Overload.	CR13.0D	CC3/CC409-32
12.0 - 18.0A Overload.	CR18.0D	CC3/CC409-32
17.0 - 25.0A Overload.	CR25.0D	CC3/CC409-32
23.0 - 32.0A Overload.	CR32.0D	CC3/CC409-32
30.0 - 40.0A Overload.	CR40.0D	CC3/CC409-32
37.0 - 50.0A Overload.	CR50.0D	CC3/CC440-95
48.0 - 65.0A Overload.	CR65.0D	CC3/CC440-95
55.0 - 70.0A Overload.	CR70.0D	CC3/CC440-95
63.0 - 80.0A Overload.	CR80.0D	CC3/CC440-95
80.0 - 93.0A Overload.	CR93.0D	CC3/CC440-95

Head Auxiliaries

Pneumatic Timers



Features & Benefits

- > Suitable for the CC3 and CC4 range of Contactors, available with either 2 or 4 auxiliary contacts.
- > Auxiliary contact blocks are for use with contactors to provide additional control circuits.
- > Various N/O & N/C Configurations.



Description	Part No.
Head Auxiliaries	
2 N/C Contacts.	CA02
2 N/O Contacts.	CA20
1 N/O, 1 N/C Contacts.	CA11
1 N/O, 3 N/C Contacts.	CA13
3 N/O, 1 N/C Contacts.	CA31
4 N/C Contacts.	CA04
4 N/O Contact.	CA40
2 N/O, 2 N/C Contacts.	CA22

Features & Benefits

- > Suitable for assembly with the CC3 and CC4 range of contactors.
- > Pneumatic timers are used for timing control.
- > Two styles of time lag; connecting and breaking.
- > Set to switch Contactors ON or OFF.
- > Time range from 0.1 to 180 seconds.
- > Conforms to BS EN 60947-4-1



Description	Part No.
Pneumatic Timers	
0.1 - 3 seconds OFF delay.	CT003F
0.1 - 3 seconds ON delay.	CT003N
10 - 180 seconds OFF delay.	CT180F
10 - 180 seconds ON delay.	CT180N

Direct Online Starters

Features & Benefits

- > Electromagnetic contactor switching for safe and reliable starting and stopping of motors and equipment.
- > Overload relay with adjustable overload setting dial.
- > Compact.
- > Lightweight.
- > Low power consumption.
- > Integrated Stop / Start buttons.
- > Additional overloads available, see page 51.
- > IP65 enclosure.
- > Available with 9A - 80A overload.
- > Coil voltages - 24, 48, 110, 240 & 415V AC.



Description	Part No.
Direct On-Line Starters	
9A, 4kW, 3 Pole, 380/400V, overload rating 7-10A	CCDOL09**
12A, 5.5kW, 3 Pole, 380/400V, overload rating 9-13A	CCDOL12**
18A, 7.5kW, 3 Pole, 380/400V, overload rating 12-18A	CCDOL18**
25A, 11kW, 3 Pole, 380/400V, overload rating 17-25A	CCDOL25**
32A, 15kW, 3 Pole, 380/400V, overload rating 23-32A	CCDOL32**
40A, 18.5kW, 3 Pole, 380/400V, overload rating 30-40A	CCDOL40**
80A, 37kW, 3 Pole, 380/400V, overload rating 63-80A	CCDOL80**

N.B. The End of the Part Number denotes the overload inside (e.g. CCDOL09U7)
** State coil voltage on ordering - B7 24V; E7 48V; F7 110V; U7 240V; N7 415V

Manual Motor Starters



Features & Benefits

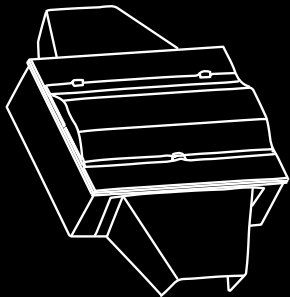
- > Manual Motor Starters are fuseless motor protection circuit breakers.
- > High breaking capacity up to 100kA.
- > 3 Pole.
- > Adjustable current setting.
- > DIN Rail mounting.
- > Trip test function.
- > Conforms to BS EN 60947-1 & BS EN 60947-2.
- > Used as a full voltage starter to Stop/Start Motors under AC3 Load.
- > Used for overloads and short circuit protection.
- > Rated from 0.10A - 32A.
- > Integrated Stop/Start Buttons.



Description	Part No.
Manual Motor Starters	
0.10 - 0.16A.	CMS0.16
0.16 - 0.25A.	CMS0.25
0.25 - 0.40A.	CMS0.40
0.40 - 0.63A.	CMS0.63
0.63 - 1.00A.	CMS1.00
1.00 - 1.60A.	CMS1.60
1.60 - 2.50A.	CMS2.50
2.50 - 4.00A.	CMS4.00
4.00 - 6.30A.	CMS6.30
6.30 - 10.0A.	CMS10.0
9.00 - 14.0A.	CMS14.0
13.0 - 18.0A.	CMS18.0
17.0 - 23.0A.	CMS23.0
20.0 - 25.0A.	CMS25.0
24.0 - 32.0A.	CMS32.0
Manual Motor Starters - Accessories	
IP55 Enclosure for use with the CMS range of Manual Motor Starters	CMSENC
Auxiliary Contact for the CMS Range	
Side Mounted Auxiliary, 1 N/O, 1 N/C.	CMSSA

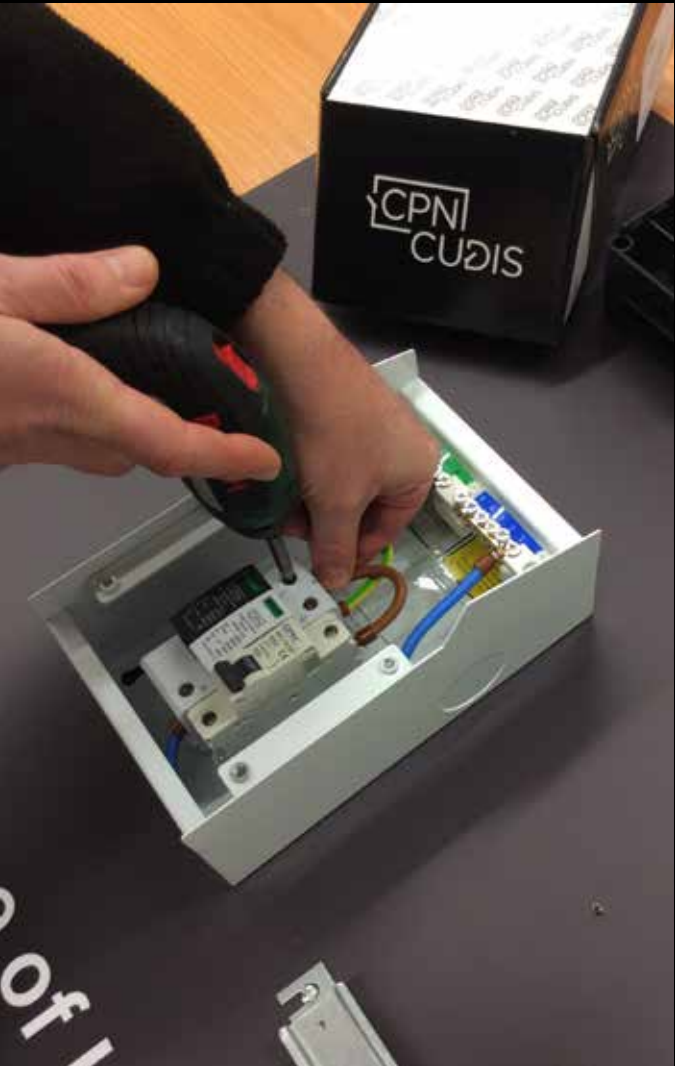


Bespoke Design & Build with CPN Cudis



Bespoke Design & Build Facility

At CPN Cudis we offer an in-house bespoke design and custom build facility. Design or build Consumer Units or Distribution Boards to your requirements: populating them with MCBs, RCBOs & SPDs - saving you time and money!



Working with CPN Cudis

Notes

Training

We offer a full training package for all our products, which can be conducted on site and tailored to your needs. If required, training can also be given on the requirements of BS7671 18th Edition wiring regulations, in conjunction with our products. Training can also be carried out with end users, contractors & colleges.

Site Surveys

We can arrange site surveys for Surge Protection. If you would like a survey, please contact sales@cudis.co.uk or call us on 0161 989 5636.

Display Boards

We offer pre-built display boards for Consumer Units & 3 Phase Distribution Boards for in-store display and training demonstrations. Please contact sales@cudis.co.uk or call us on 0161 989 5636.



Notes

Lined area for notes on page 58.

Notes

Lined area for notes on page 59.



- > Lumo® Consumer Units
- > 3 Phase Distribution
- > Circuit Protection
- > Surge Protection
- > Rotary Isolators
- > Control Gear
- > Voltage Optimisation

Technical Support: 07710 898 326

Scotland Business Development Manager: 07495 637 407

North England Business Development Manager: 07710 898 322

Midlands & East Anglia Business Development Manager: 07570 674 435

South West Business Development Manager: 07504 692 637

London / South East Business Development Manager: 07535 588 666



DESIGNED IN THE UK