HONEYWELL METALCLAD CP RANGE.

GUARANTEE 10 YEARS GUARANTEE

Honeywell

HONEYWELL BUILDINGS POWERING THE FUTURE

From Honeywell's founding in 1885, innovation has always been our legacy and our future. Honeywell have grown to be the international market leader in providing technology that delivers comfort, safety and simplicity to the places people call home.

HONEYWELL METALCLAD CP RANGE

The Honeywell Metalclad CP range has been designed with both the contractor/installer and the comfort and peace of mind of the end user at its core. The range has therefore been developed with 3 key principles in mind, ease of configuration and installation, family safety and future growth and long term reliability. The clean modern styling ensure the Metalclad CP range of units will be equally at home incorporated into the interior décor of the homes hallway or other prominent location or tucked away under the stairs or out of sight in the garage.

Including 10 Populated Boards, coupled with our extensive selection of RCDs, MCBs, RCBOs plus Surge and Arc Fault detection devices and accessories, the Honeywell Metalclad CP range will cater for all residential circuit protection requirements.

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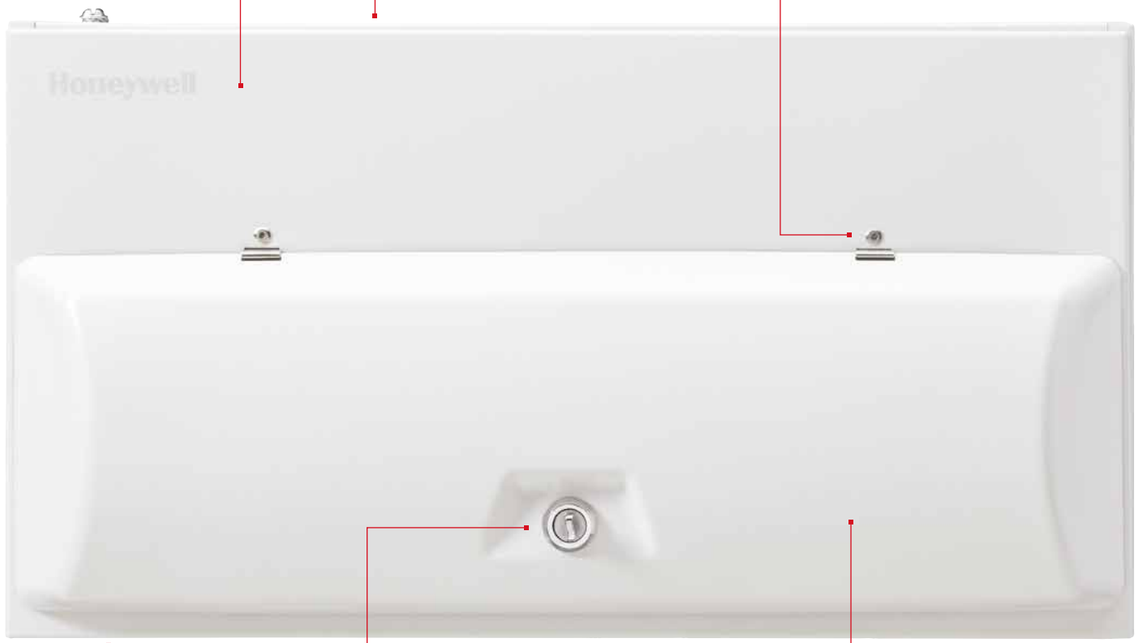
METALCLAD CP EXTERIOR

FEATURES AND BENEFITS

Made from non combustible material

Rear knockouts with cable interface guards (for mechanical protection of cables)

Top Hinged Door (prevents door being left open, avoiding fire risk)



Easy turn key latch as standard (cannot be locked in open position)

Fully Earthed range of consumer units

GUARANTEE 10 YEARS GUARANTEE

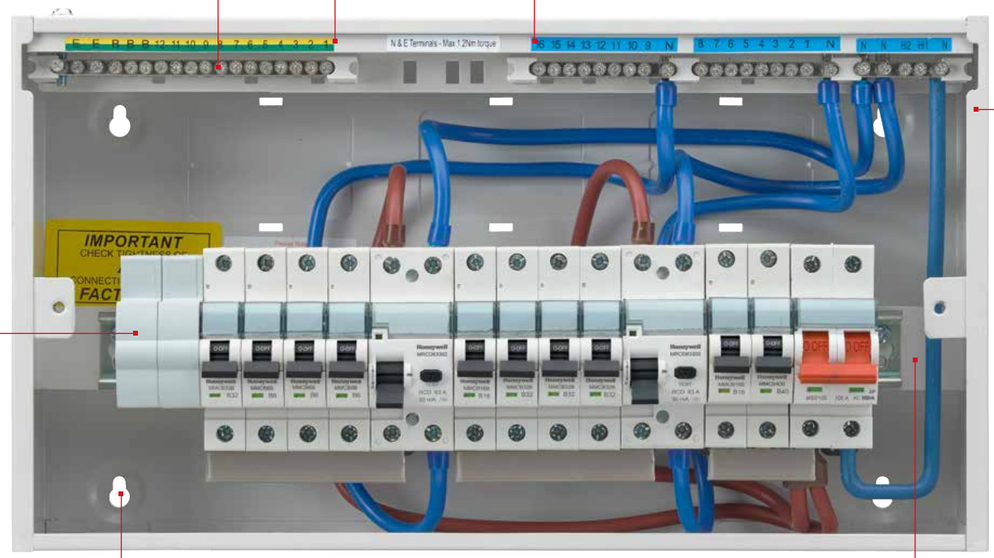
METALCLAD CP INTERIOR

FEATURES AND BENEFITS

Captive combi-head screws

Colour coded earth and neutral terminal

Multiple extra large knock outs



Full form MCB blanking modules available (increased electrical safety)

Four point fixing holes

Easy to remove Din Rail

CONSUMER UNIT SELECTION GUIDE

STEP 1	Determine the type of consumer unit configuration required. e.g. Split Load, Standard or combination of split load / single RCD or dual RCD. For each Switch Disconnector or RCD to be used allow 2 modular ways.
STEP 2	Determine the number of outgoing circuits required. e.g. Cooker, Lighting, Ring Main etc. For each circuit to be protected by an MCB or RCBO allow 1 modular way.
STEP 3	Determine the number of 'spare' modular ways required for future upgrades. For each 'spare' modular way select 1 Honeywell Metalclad CP blank Module MMCBBL.
STEP 4	Now add together the total number of modular ways required.
STEP 5	Choose the type and size most appropriate for your requirements.

WIRING REGULATIONS
18TH EDITION

The 18th Edition of BS7671 wiring regulations were introduced in 2018 and were practically implemented in 2019. BS7671 is a UK based standard which concerns the requirements for electrical installations and it includes significant changes within the publication. All electrical contractors and specifiers must have knowledge of this and should seriously consider this as a big change in electrical industry. Honeywell Metalclad CP has been specifically designed to meet all new regulations.

CHANGES BETWEEN 17TH AND 18TH EDITION

Protection against fire risk: As the 18th Edition recommends the installation of a Arc Fault Detection Devices (AFDDs) in consumer units to reduce the risk of fires in AC final circuits, the Honeywell Metalclad CP ranges includes both 16A and 32A AFDD options.

Protection against overvoltage: 18th Edition also brings with it a requirement to consider overvoltage protection by undertaking a risk assessment. The 100A 40KA Type 2 Surge Protection device in the Honeywell Metalclad CP range can be used when a risk assessment isn't possible.

PRODUCT SELECTOR

CONSUMER UNITS

POPULATED CONSUMER UNITS

METAL SURFACE ENCLOSURE + SWITCH DISCONNECTOR

M4WSD

M12WSD

M21WSD

M8WSD

M16WSD

M4WSD
4 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
- ACCEPTS A FURTHER 2
ONE MODULE DEVICES 1

M8WSD
8 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
- ACCEPTS A FURTHER 6
ONE MODULE DEVICES 1

M12WSD
14 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
- ACCEPTS A FURTHER 12 ONE
MODULE PRODUCTS 1

M16WSD
18 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
- ACCEPTS A FURTHER 16
ONE MODULE DEVICES 1

M21WSD
22 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
- ACCEPTS A FURTHER 20
ONE MODULE DEVICES 1

All units are pre-fitted with a switch disconnector

DIMENSIONS:	*Width*		*Height*		*Depth*
4 WAY	*168*	*x*	*230*	*x*	*132mm*
8 WAY	*236*	*x*	*230*	*x*	*132mm*
14 WAY	*348*	*x*	*230*	*x*	*132mm*
18 WAY	*420*	*x*	*230*	*x*	*132mm*
18 WAY (100A)	*420*	*x*	*275*	*x*	*132mm*
22 WAY	*492*	*x*	*275*	*x*	*132mm*

MAIN INCOMER RATING:
4, 8, 14 & 18 way enclosures - 63A.
18 & 22 way enclosures - 100A.
Degree of protection to BS EN 60529 to IP2XC.
Precautions must be taken to maintain the IP rating, e.g. Use of cable glands and knockouts.
BS EN 61439-3

FULLY POPULATED CONSUMER UNITS METAL

M4W63RCD2MCB

M16WSD263RCD10MCB

M21WSD2100RCD12MCB

M12WSD263RCD6MCB

M16WSD2100RCD10MCB

M4W63RCD2MCB
4 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
1 X 63A 30mA TYPE AC RCD
2 X MCBS (1 X 6A & 1 X 16A) 1

M12WSD263RCD6MCB
14 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
2 X 63A 30mA TYPE AC RCD'S
6 X MCBS (2 X 6A, 1 X 16A, 2 X 32A & 1 X 40A)
2 X ONE MODULE DIN RAIL BLANKS 1

M16WSD263RCD10MCB
18 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
2 X 63A 30mA TYPE AC RCD'S
10 X MCBS (3 X 6A, 2 X 16A, 4 X 32A & 1 X 40A)
2 X ONE MODULE DIN RAIL BLANKS 1

M16WSD2100RCD10MCB
18 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
2 X 100A 30mA TYPE A RCD'S
10 X MCBS (3 X 6A, 2 X 16A, 4 X 32A & 1 X 40A)
2 X ONE MODULE DIN RAIL BLANKS 1

M21WSD2100RCD12MCB
22 WAY ENCLOSURE
100A SWITCH DISCONNECTOR
2 X 100A 30mA TYPE A RCD'S
12 X MCBS (3 X 6A, 2 X 16A, 2 X 20A,
4 X 32A & 1 X 40A)
4 X ONE MODULE DIN RAIL BLANKS 1

All units are pre-fitted with a switch disconnector

DIMENSIONS:	*Width*		*Height*		*Depth*
4 WAY	*168*	*x*	*230*	*x*	*132mm*
8 WAY	*236*	*x*	*230*	*x*	*132mm*
14 WAY	*348*	*x*	*230*	*x*	*132mm*
18 WAY	*420*	*x*	*230*	*x*	*132mm*
18 WAY (100A)	*420*	*x*	*275*	*x*	*132mm*
22 WAY	*492*	*x*	*275*	*x*	*132mm*

MAIN INCOMER RATING:
4, 8, 14 & 18 way enclosures - 63A.
18 & 22 way enclosures - 100A.
Degree of protection to BS EN 60529 to IP2XC.
Precautions must be taken to maintain the IP rating, e.g. Use of cable glands and knockouts.
BS EN 61439-3

PRODUCT SELECTOR

MINIATURE CIRCUIT BREAKERS (MCBS)

MCBS SINGLE POLE TYPE B

ONE MODULE

MMCB3B *MMCB6B* *MMCB10B* *MMCB16B* *MMCB20B*

MMCB25B *MMCB32B* *MMCB40B* *MMCB50B*

MMCB3B
3A 230V 12

MMCB6B
6A 230V 12

MMCB10B
10A 230V 12

MMCB16B
16A 230V 12

MMCB20B
20A 230V 12

MMCB25B
25A 230V 12

MMCB32B
32A 230V 12

MMCB40B
40A 230V 12

MMCB50B
50A 230V 12

Suitable for installation in Honeywell Metalclad Consumer Units and two or four module enclosures.

DIMENSIONS:
87.5 x 17.7 x 73.2mm

CABLE CAPACITY:
35mm²

SHORT-CIRCUIT BREAKING CAPACITY:
6KA BS EN 60898:2003

MCBS SINGLE POLE TYPE C

ONE MODULE

MMCB3C *MMCB6C* *MMCB10C* *MMCB16C* *MMCB20C*

MMCB25C *MMCB32C* *MMCB40C* *MMCB50C*

MMCB3C
3A 230V 12

MMCB6C
6A 230V 12

MMCB10C
10A 230V 12

MMCB16C
16A 230V 12

MMCB20C
20A 230V 12

MMCB25C
25A 230V 12

MMCB32C
32A 230V 12

MMCB40C
40A 230V 12

MMCB50C
50A 230V 12

Suitable for installation in Honeywell Metalclad Consumer Units and two or four module enclosures.

DIMENSIONS:
87.5 x 17.7 x 73.2mm

CABLE CAPACITY:
35mm²

SHORT-CIRCUIT BREAKING CAPACITY:
6KA BS EN 60898:2003

RESIDUAL CURRENT DEVICES (RCDS)

6KA RCDS DOUBLE POLE TYPE AC

40 AMP
TWO MODULE

MRCD40302

MRCD40302
40A 230V
30mA TRIPPING CURRENT
1

63 AMP
TWO MODULE

MRCD63302

MRCD63302
63A 230V
30mA TRIPPING CURRENT
1

80 AMP
TWO MODULE

MRCD80302

MRCD80302
80A 230V
30mA TRIPPING CURRENT
1

100 AMP
TWO MODULE

MRCD100302

MRCD100302
100A 230V
30mA TRIPPING CURRENT
1

6KA RCDS DOUBLE POLE TYPE A

TWO MODULE

MRCD6330

MRCD10030

MRCD6330
63A 230V
30mA TRIPPING CURRENT
1

MRCD10030
100A 230V
30mA TRIPPING CURRENT
1

Suitable for installation in Honeywell Metalclad Consumer Units and two or four module enclosures.

DIMENSIONS:
92.6 x 35.9 x 69.5mm

CABLE CAPACITY:
50mm²
BS EN 61008

RCDS TIME DELAYED DOUBLE POLE

TWO MODULE

MRCD100100-AC-TD

MRCD100100-AC-TD
RCD 100A TWO MODULE DOUBLE POLE TYPE AC WITH TIME DELAY
1

Suitable for installation in Honeywell Metalclad Consumer Units and Four Module enclosures. When used as a mains incomer these units will provide discrimination with downstream instantaneously operating 10mA or 30 mA RCD's. For example, they can be used as main incomers on split load consumer units where it is not desirable, because of the possibility of unwanted tripping, to place all of the circuits on an instantaneous 30mA RCD, but where earth leakage protection is still required for these circuits.

DIMENSIONS:
92.6 x 35.9 x 69.5mm

CABLE CAPACITY:
50mm²

BS EN 61008

NOT TO BE USED FOR PERSONAL PROTECTION AGAINST ELECTRIC SHOCK

PRODUCT SELECTOR

RESIDUAL CURRENT BREAKER WITH OVER-CURRENT PROTECTION

TYPE AC

B CURVE CHARACTERISTIC

MRCBO630 *MRCBO1030* *MRCBO1630* *MRCBO2030*

MRCBO3230 *MRCBO4030* *MRCBO5030*

MRCBO630
6A 230V
30mA
TRIPPING CURRENT 1

MRCBO1030
10A 230V
30mA
TRIPPING CURRENT 1

MRCBO1630
16A 230V
30mA
TRIPPING CURRENT 1

MRCBO2030
20A 230V
30mA
TRIPPING CURRENT 1

MRCBO3230
32A 230V
30mA
TRIPPING CURRENT 1

MRCBO4030
40A 230V
30mA
TRIPPING CURRENT 1

MRCBO5030
50A 230V
30mA
TRIPPING CURRENT 1

Suitable for installation in Honeywell Metalclad Consumer Units

DIMENSIONS
105.5 x 17.7 x 78.5mm

CABLE CAPACITY:
Live 25mm², Neutral 25mm²

SHORT CIRCUIT BREAKING CAPACITY: 6KA
BS EN 61009-1
BS IEC 61009-2-2

ARC FAULT DETECTION DEVICES

AFDD + RCBO TYPE A

B CURVE CHARACTERISTIC

MARC16BRCBO

MARC32BRCBO

MARC16BRCBO
16A
TYPE B
AFDD-RCBO 1

MARC32BRCBO
32A
TYPE B
AFDD-RCBO 1

WHAT IS ARC?

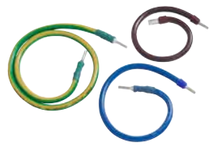
Arc fault detection devices (AFDDs) are efficient to reduce the risk of fire by detection of leakage current, over-current and arcing to ground as a consequence of tracking currents within an electrical installation.

AFDDs are designed to detect low level hazardous arcing faults that circuit breakers, fuses and RCDs are not designed to detect.

SURGE PROTECTION DEVICE WITH CONNECTION KIT

SPDS

MSUR10040T2



M18EDCKIT-SUR

MSUR10040T2
100A
TYPE 2
40KA 1

M18EDCKIT-SUR
18TH EDITION SURGE
CABLE CONVERSION KIT 5

WHAT IS SURGE?

These are suitable for first level of protection in residential, commercial or other applications not exposed to direct strikes or with no external lightning protection system.

They are installed at the origin of the low voltage system or close to sensitive equipment to protect against transient voltages coupled into the low voltage network.

SWITCH DISCONNECTORS

SWITCH DISCONNECTORS DOUBLE POLE

TWO MODULE

MSD100

MSD100
100A 230V 5

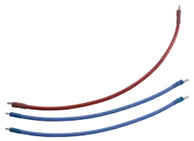
Suitable for installation in Honeywell Metalclad Consumer Units and two or four module enclosures. Accepts direct to busbar or cable-in / cable-out connection.

DIMENSIONS:
87.5 x 35.4 x 68.8mm

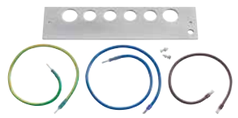
CABLE CAPACITY:
50mm²
BS EN 60947-3:1999

PRODUCT SELECTOR

CONSUMER UNIT ACCESSORIES

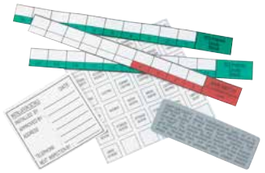


M18EDCKIT-SL

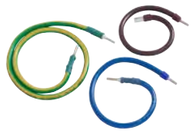


M14WSKIT

MMCBBL



M18EDLABKIT



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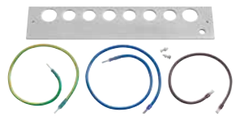
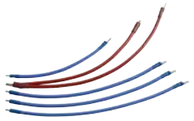


M18WSKIT

MKEYLOCK

M18EDBB



M18EDCKITSD2RCD

M18EDCKIT-SL
18TH EDITION SPLIT-LOAD KIT CONSISTS OF 3 CABLES (2 NEUTRAL AND 1 LIVE) FOR USE WHEN ASSEMBLING A SPLIT LOAD ARRANGEMENT 5

M18EDCKIT-SUR
18TH EDITION SURGE CABLE CONVERSION KIT 5

M18EDCKITSD2RCD
18TH EDITION CABLE KIT FOR SWITCH AND TWIN RCD ARRANGEMENT 5

M14WSKIT
14 WAY CONSUMER UNIT STACKING KIT 1

M18WSKIT
18WAY CONSUMER UNIT STACKING KIT 1

MMCBBL
MCB BLANK – GREY DESIGNED TO FILL UNUSED MODULES IN METALCLAD CP CONSUMER UNITS 5

MKEYLOCK
CONSUMER UNIT KEY LOCK 1

M18EDLABKIT
CONSUMER UNIT LABELS ADDITIONAL PRINTED AND BLANK LABELS, FOR IDENTIFYING DEVICES AND CIRCUITS ON DUAL & TRIPLE RCD BOARDS 5

M18EDBB
18th EDITION CONSUMER BUSBAR 1

M18EDCKIT-SL
For use when assembling split-load arrangement. compliance with BS EN 60439-3

PART NUMBERING

PART NUMBERING

M | **16W** | **SD** | **2100RCD** | **10MCB**

- **M** = METALCLAD
- **16W** = 4W = 4 WAY ENCLOSURE; 8W = 8 WAY ENCLOSURE; 12W = 12 WAY ENCLOSURE; 16W = 16 WAY ENCLOSURE; 21W = 21 WAY ENCLOSURE
- **SD** = SWITCH DISCONNECTOR
- **2100RCD** = 63RCD = 1 X 63A RCD; 263RCD = 2 X 63A RCD; 2100RCD = 2 X 100A RCD
- **10MCB** = 2MCB = 2 X MCB; 6MCB = 6 X MCB; 10MCB = 10 X MCB; 12MCB = 12 X MCB

DEVICES

M | **MCB** | **16** | **B**

- **M** = METALCLAD
- **MCB** = MCB; RCD = RCD; RCBO = RCBO; SUR = SURGE; ARC = ARC
- **16** = 3 = 3 AMPS; 6 = 6 AMPS; 10 = 10 AMPS; 16 = 16 AMPS; 20 = 25 AMPS; 32 = 32 AMPS; 40 = 40 AMPS; 50 = 50 AMP
- **B** = B TYPE; C = C TYPE

PRODUCT RANGE

PART NUMBER	DESCRIPTION
CONSUMER UNIT	
M4WSD	4 WAY METAL CU + SWITCH DISCONNECTOR
M4W63RCD2MCB	4 WAY METAL CU + 63A RCD & 2 X MCB (1 x 6A & 1 x 16A)
M8WSD	8 WAY METAL CU + SWITCH DISCONNECTOR
M12WSD	14 WAY METAL CU + SWITCH DISCONNECTOR
M12WSD263RCD6MCB	14 WAY METAL CU + SWITCH DISCONNECTOR, 2 X 63A RCD & 6 X MCB (2 x 6A, 1 x 16A, 2 x 32A & 1 x 40A)
M14WSKIT	14 WAY CONSUMER UNIT STACKING KIT
M16WSD	18 WAY METAL CU + SWITCH DISCONNECTOR
M16WSD263RCD10MCB	18 WAY METAL CU + 1 x 100A SWITCH DISCONNECTOR, 2 X 63A RCD & 10 X MCB (3 x 6A, 2 x 16A, 4 x 32A & 1 x 40A)
M16WSD2100RCD10MCB	18 WAY METAL CU + 1 x 100A SWITCH DISCONNECTOR, 2 X 100A TYPE A RCDs & 10 X MCB (3 x 6A, 2 x 16A, 4 x 32A & 1 x 40A)
M18WSKIT	18 WAY CONSUMER UNIT STACKING KIT
M21WSD	22 WAY METAL CU + SWITCH DISCONNECTOR
M21WSD2100RCD12MCB	22 WAY METAL CU + 1 x 100A SWITCH DISCONNECTOR, 2 X 100A TYPE A RCDs & 12 X MCB (3 x 6A, 2 x 16A, 2 x 20A, 4 x 32A & 1 x 40A) ACCEPTS A FURTHER 3 ONE MODULE DEVICES
MCB	
MMCB3B	MCB 3A TYPE B SINGLE POLE
MMCB6B	MCB 6A TYPE B SINGLE POLE
MMCB10B	MCB 10A TYPE B SINGLE POLE
MMCB16B	MCB 16A TYPE B SINGLE POLE
MMCB20B	MCB 20A TYPE B SINGLE POLE
MMCB25B	MCB 25A TYPE B SINGLE POLE
MMCB32B	MCB 32A TYPE B SINGLE POLE
MMCB40B	MCB 40A TYPE B SINGLE POLE
MMCB50B	MCB 50A TYPE B SINGLE POLE
MMCB3C	MCB 3A TYPE C SINGLE POLE
MMCB6C	MCB 6A TYPE C SINGLE POLE
MMCB10C	MCB 10A TYPE C SINGLE POLE
MMCB16C	MCB 16A TYPE C SINGLE POLE
MMCB20C	MCB 20A TYPE C SINGLE POLE
MMCB25C	MCB 25A TYPE C SINGLE POLE
MMCB32C	MCB 32A TYPE C SINGLE POLE
MMCB40C	MCB 40A TYPE C SINGLE POLE
MMCB50C	MCB 50A TYPE C SINGLE POLE

PART NUMBER	DESCRIPTION
RCD	
MRCD40302	RCD 40A 30mA 6KA TWO MODULE DOUBLE POLE
MRCD63302	RCD 63A 30mA 6KA TWO MODULE DOUBLE POLE
MRCD80302	RCD 80A 30mA 6KA TWO MODULE DOUBLE POLE
MRCD100302	RCD 100A 30mA 6KA TWO MODULE DOUBLE POLE
MRCD6330	RCD 63A 30mA TWO MODULE DOUBLE POLE TYPE A
MRCD10030	RCD 100A 30mA TWO MODULE DOUBLE POLE TYPE A
MRCD100100-AC-TD	RCD 100A 100MA TWO MODULE DOUBLE POLE TYPE AC WITH TIME DELAY
RCBO	
MRCBO630	RCBO 6A 30mA SINGLE MODULE TYPE B
MRCBO1030	RCBO 10A 30mA SINGLE MODULE TYPE B
MRCBO1630	RCBO 16A 30mA SINGLE MODULE TYPE B
MRCBO2030	RCBO 20A 30mA SINGLE MODULE TYPE B
MRCBO3230	RCBO 32A 30mA SINGLE MODULE TYPE B
MRCBO4030	RCBO 40A 30mA SINGLE MODULE TYPE B
MRCBO5030	RCBO 50A 30mA SINGLE MODULE TYPE B
SWITCH	
MSD100	SWITCH DISCONNECTOR 100A
SPARES	
M18EDCKITSD2RCD	18TH EDITION CABLE KIT FOR SWITCH & TWIN RCD
M18EDCKIT-SL	18TH EDITION SPLIT LOAD CABLE KIT
MMCBBL	MCB BLANKING MODULE
M18EDLABKIT	18TH EDITION CONSUMER UNIT LABEL KIT
M18EDBB	18TH EDITION CONSUMER BUSBAR
SURGE	
MSUR10040T2	SURGE PROTECTION 100A 40KA TYPE 2
M18EDCKIT-SUR	18TH EDITION SURGE CABLE CONVERSION KIT
ARC	
MARC16BRCBO	ARC PROTECTION 16A TYPE B AFDD + RCBO
MARC32BRCBO	ARC PROTECTION 32A TYPE B AFDD + RCBO
ACCESSORIES	
MKEYLOCK	CONSUMER UNIT KEY LOCK

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THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell