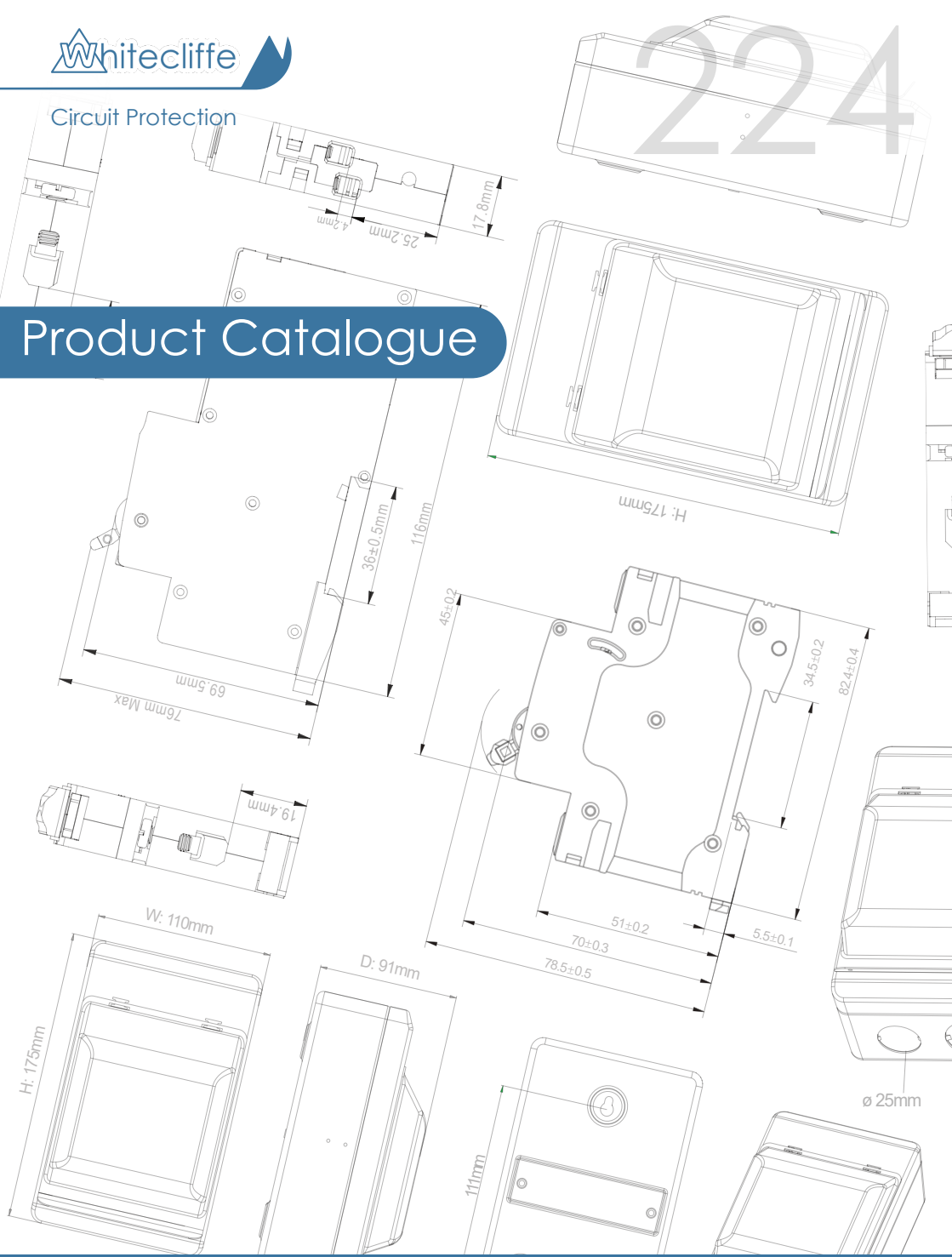


224

Product Catalogue



Our staff have been in the electrical industry for over 20 years and have a great deal of experience bringing to market the right products at the right price.

We are therefore happy to bring wced to you. the best electrical products at the best prices, along with amazing customer service.

We are a trustworthy, reliable and affordable electrical distributor where customer service is the top priority. The team at wced have all the electrical components and supplies you'll need at a great price.

Our customer service won't be beaten and we're always ready to assist you in finding the right equipment for any installation.

At wced, we combine the expertise and the specialism of a large electrical distributor with the customer service and caring nature of a local electrical store.

We'll be on hand every step of the way to give you the support you deserve, no matter what project you're looking to complete. You can be sure that you'll only be buying the highest quality components.

So, whether you're looking for a couple of MCBs or RCBOs, or you need larger equipment such as a Three Phase Board, our electrical distributor team will do their best to find you the exact specification of product you need at a cost that won't disappoint you. Get in touch now for more information with no obligation.

Due to our recent success we have moved into our new 21,000 square ft distribution hub. As pictured below.



Contents

01

Enclosures

04

Garage units

05

Meter isolation
& Change over switches

06

Main switches & Rotary Isolators

07

MCB's

09

RCBO's

11

RCD's

13

Surge arrester units

14

EV protection units

19

Fused protection

20

Modular contactors

21

Arc fault detection

22

Sockets & switches

23

PME fault detection

25

Accessories

IP40 Enclosures

Whitecliffe metal enclosures are all IP40 indoor rated and finished with a polyester powder coating. Multiple circular cable entry knock-outs (25 & 32mm) top and bottom, 40mm on the sides plus larger rear slots.

Raised keyholes and level for secure easy installation. Raised din rail improves cable routing. Supplied with neutral and earth terminal bars.

Part code:	Description	Dimensions (WxHxDmm)
WME04	4 way Enc	130x240x112
WME06	6 way Enc	160x240x112
WME08	8 way Enc	232x240x112
WME10	10 way Enc	232x240x112
WME12	12 way Enc	232x240x112
WME14	14 way Enc	304x240x112
WME16	16 way En	376x240x112
WME18	18 way Enc	376x240x112
WME22	22 way Enc	448x240x112
WFM10-3P	6 way Enc	240x160x112



Main Switch boards

Consumer unit boards with 100A main switch.

Part code:	Description	Dimensions (WxHxDmm)
WME04/MS100	4 way Enc, 100A M/S (2 Usable Ways)	130x240x112
WME06/MS100	6 way Enc, 100A M/S (4 usable ways)	160x240x112
WME08/MS100	8 way Enc, 100A M/S (6 usable ways)	232x240x112
WME10/MS100	10 way Enc, 100A M/S (8 usable ways)	232x240x112
WME12/MS100	12 way Enc, 100A M/S (10 usable ways)	232x240x112
WME14/MS100	14 way Enc, 100A M/S (12 usable ways)	304x240x112
WME16/MS100	16 way En, 100A M/S (14 usable ways)	376x240x112
WME18/MS100	18 way Enc, 100A M/S (16 usable ways)	376x240x112
WME22/MS100	22 way Enc, 100A M/S (20 usable ways)	448x240x112



Surge protected boards

Consumer unit boards with 100A main switch and SPD devices.

Part code:	Description	Dimensions (WxHxDmm)
WME06/SP	6 way Enc, 100A M/S + SPD (3 usable ways)	160x240x112
WME08/SP	8 way Enc, 100A M/S + SPD (5 usable ways)	232x240x112
WME10/SP	10 way Enc, 100A M/S + SPD (7 usable ways)	232x240x112
WME12/SP	12 way Enc, 100A M/S + SPD (9 usable ways)	232x240x112
WME14/SP	14 way Enc, 100A M/S + SPD (11 usable ways)	304x240x112
WME16/SP	16 way En, 100A M/S + SPD (13 usable ways)	376x240x112
WME18/SP	18 way Enc, 100A M/S + SPD (15 usable ways)	376x240x112
WME22/SP	22 way Enc, 100A M/S + SPD (19 usable ways)	448x240x112



Twin RCD metal boards

Part code:	Description	Dimensions (WxHxDmm)
WME1463TR	14 mod 8 usable way, 100A MS, 2x 63A RCD	304x240x112
WME1663TR	16 mod 10 usable way, 100A MS, 2x 63A RCD	376x240x112
WME1663TR/SP	16 mod 9 usable way, 100A MS, 2x 63A RCD + SPD	376x240x112
WME18100TR	18 mod 12 usable way, 100 MS, 2x 100A RCD	376x240x112
WME18100TR/SP	18 mod 12 usable way, 100 MS, 2x 100A RCD, SPD	376x240x112
WME1880TR	18 mod 12 usable way, 100 MS, 2x 80A RCD,	376x240x112
WME1880TR/SP	18 mod 10 usable way, 100 MS, 2x 80A RCD, SPD	376x240x112
WME22100TR	22 mod 16 usable way, 100 MS, 2x 100A RCD,	448x240x112
WME22100TR/SP	22 mod 14 usable way, 100 MS, 2x 100A RCD, SPD	448x240x112
WME2280TR	22 mod 16 usable way, 100 MS, 2x 80A RCD,	448x240x112
WME2280TR/SP	22 mod 14 usable way, 100 MS, 2x 80A RCD, SPD	448x240x112



Mini metal enclosures

Fully enclosed metal construction body with drop down metal lid, 25/32mm circular cable entry knock-outs on the top and bottom. Raised key holes for secure easy installation. Modern style finish in polyester powder coating, complete with din rail and earth terminal bar. Ideal for installing EV circuit protection in compact spaces.

230V/400V~ IP 40 rated.
Recommended torque: 2.0Nm for earth terminal bar
Complies with BS EN 61439-3



Part code:	Description	Dimensions (WxHxDmm)
WME2L/25	2 way metal enclosure with lid	74x175x90
WME3L/32	3 way metal enclosure with lid	110x175x91
WME4L/32	4 way metal enclosure with lid	110x175x91
WME5L/32	5 way metal enclosure with lid	110x175x91

Plastic enclosures

IP65 plastic enclosure, suitable for internal or external use. Internal earth/neutral bars included.

Complies with all relevant EN standards.

Ideal for installing your EV circuit protection in outdoor locations.

Part code:	Description	Dimensions (WxHxDmm)
WHA865	8 way empty plastic enclosure c/w earth and neutral bar	212x205x95
WHA1265	12 way empty plastic enclosure c/w earth and neutral bar	295x255x140
WHA4/EV	4 way empty plastic enclosure, earth bar only.	140x205x95
WPGU05	4/5 way empty plastic enclosure c/w earth and neutral bar	164x232x102



Metal garage units

Meets the needs of the 18th Edition wiring regs, all metal construction with drop down lid. Internal Earth/Neutral bars included. Complies with all relevant EN Standards

Part code:	Description	Dimensions (WxHxDmm)
WMGU04/616	63A RCD 6A/16A B MCB	130x258x110
WMGU04/620	63A RCD 6A/20A B MCB	130x258x110
WMGU04/632	63A RCD 6A/32A B MCB	130x258x110
WMMS/616	100A Main switch 6A/16A B MCB	130x258x110
WMMS/620	100A Main switch 6A/20A B MCB	130x258x110
WMMS/632	100A Main switch 6A/32A B MCB	130x258x110



Plastic garage units

4 mod IP65 plastic garage unit 63A RCD. Suitable for internal or external use. Internal Earth/Neutral bars included. Complies with all relevant EN standards.

Part code:	Description	Dimensions (WxHxDmm)
WPGU04/616	63A RCD 6A/16A B MCB	140x208x95
WPGU04/620	63A RCD 6A/20A B MCB	140x208x95
WPGU04/632	63A RCD 6A/32A B MCB	140x208x95
WPMS/616	100A Main switch 6A/16A B MCB	140x208x95
WPMS/620	100A Main switch 6A/20A B MCB	140x208x95
WPMS/632	100A Main switch 6A/32A B MCB	140x208x95



Plastic meter isolation

WEC Isolators are becoming a required part of a domestic supply arrangement. Often specified by the supply authority as a mandatory part of the installation, they are becoming standard in the electrical contractors design.

Part code:	Description	Dimensions (WxHxDmm)
WEC2	2 module m/s/RCD enclosure	60x135x174
WEC4	4 module m/s/RCD enclosure	95x145x82
WEC2100	2 module enclosure & 100A 2P 2 Screw terminal main switch	60x135x174
WEC44100	4 module enclosure & 100A 4P 2 Screw terminal main switch	95x145x82



Metal meter isolation

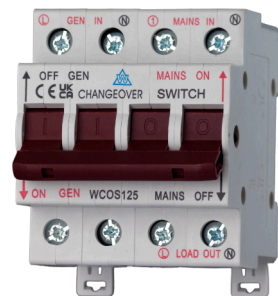
MEC Isolators are becoming a required part of a domestic supply arrangement. Often specified by the supply authority as a mandatory part of the installation, they are becoming standard in the electrical contractors design.

Part code:	Description	Dimensions (WxHxDmm)
MEC2100	2 module metal enclosure & 100A 2P 2 screw terminal m/s	74x175x90
WME44100	4 module metal enclosure & 100A 4P m/s	110x175x90



Change over switches

Part code:	Description	Dimensions (WxHxDmm)
WMECOS125-L	4 mod metal enc with WCOS125	130x240x112
WMECOS125	4 mod mini enc with WCOS125	110x175x91
WCOS125	2NO 2NC 125A	101.5x110x120
WCOS3P63	3 pole 63A IP66	101.5x110x120
WCOS3P32	3 pole 32A IP66	101.5x110x120
WCOS3P25	3 pole 25A IP66	101.5x110x120
WCOS3P20	3 pole 20A IP66	101.5x110x120



Main switch

- 100A rated current
- 230/400 rated voltage
- 10000 cycles electrical life
- 10000 operations mechanical life
- BS EN60947-3 Compliant
- Forked and Pin busbar connections

Part code:	Description	Dimensions (WxHxDmm)
WMS2100	2 pole 100A main switch	35x82x70
WMS4100	4 pole 100A main switch	70x82x70



AC & DC Rotary isolators

IP65 AC/DC Isolators 20-63A

Part code:	Description	Dimensions (WxHxDmm)
WRI3P63	3 Pole 63A AC	52.2x85x84
WRI3P32	3 Pole 32A AC	52.2x85x84
WRS4P40	4 Pole 40A AC Weatherproof	98x145x112
WRS4P32	4 Pole 32A AC Weatherproof	98x145x112
WRS4P20	4 Pole 20A AC Weatherproof	98x145x112
WRS4P63	4 Pole 63A AC Weatherproof	98x188x110
WRS4P32DC	IP66 4 Pole 32A DC	98x189x110



Twin screw main switch

- 100A Rated
- 230V 2P/400V 4P
- Twin Screw Terminal for secure connection
- Colour coded Handle

Part code:	Description	Dimensions (WxHxDmm)
WIS2100	100A 2P 2 screw terminal m/s	35x103x65
WIS4100	100A 4P 2 screw terminal m/s	70x103x65
WME2100	2 pole 100A main switch Dual top terminal screws	35x92x65



6kA MCB's

- Rated current In (A): 6,10,16, 20, 25, 32, 40, 50, 63
- Poles: 1P
- Rated voltage Ue(AC): 230/400V
- Rated frequency: 50/60Hz
- Insulation voltage Ui: 500V
- Rated breaking capacity(A): 6Ka
- Rated impulse withstand voltage (1.2/50) Uimp (V): 4000
- Dielectric test voltage at ind. Frq for 1 min (KV): 2
- Thermo- magnetic release characteristic: B,C,D
- Electrical life: 8000
- Mechanical life: 20,000
- Contact position degree:IP20
- Reference temperature for setting of thermal element (C): 30
- Ambient temperature (with daily average <35 C : 5~+40)
- Storage temperature (C) : -25~+70



Part code:	Description	Dimensions (WxHxDmm)
WMC1**B	6-63A 1 pole B curve MCB 6kA	17.8x82.4x78.5
WMC1**C	6-63A 1 pole C curve MCB 6kA	17.8x82.4x78.5

10kA MCB's & Auto resetting MCB's

These WCED brand MCBs can be the ideal solution for domestic, as well as in commercial and industrial electrical, distribution systems because of its long lasting and durable nature.

Part code:	Description	Dimensions (WxHxDmm)
WKB1**B	6-63A 1 pole B curve MCB 10kA	17.8x82.4x78.5
WKB1**C	6-63A 1 pole C curve MCB 10kA	17.8x82.4x78.5
WKB2**B	6-63A 2 pole B curve MCB 10kA	35.6x82.4x78.5
WKB2**C	6-63A 2 pole C curve MCB 10kA	35.6x82.4x78.5
WKB3**B	6-63A 3 pole B curve MCB 10kA	53.4x82.4x78.5
WKB3**C	6-63A 3 pole C curve MCB 10kA	53.4x82.4x78.5
WKB4**B	6-63A 4 pole B curve MCB 10kA	71.2x82.4x78.5
WKB4**C	6-63A 4 pole C curve MCB 10kA	71.2x82.4x78.5
WARD3100C	3 pole 100A Auto resetting	71.2x82.4x78.5
WARD5100C	5 pole 100A Auto resetting	107.2x82.4x78.5



4 & 5 pole MCB's (+shunt trip)

WKB range 100A high breaking capacity circuit breaker is used for protecting the circuit which overload and short circuit may take place. It can be used in lighting and electric motor distribution systems. Meantime it is applicable to infrequently switch the electric apparatus and light circuit under the normal conditions.

Technical data of the network at the point considered: the earthing (TNS, TNC), short-circuit current at the circuit-breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.



Part code:	Description	Dimensions (WxHxDmm)
WKB4100C	100A C curve 4 pole MCB 10KA	116x80x66
WKB5100C	100A C curve 5 pole MCB 10KA	134x80x66
WKB5100C-ST	100A C curve 5 pole MCB 10KA + 230V Shunt Trip	151x80x66

2 pole single mod MCB's

- Rated current In (A): 6,10,16,20,25,32,40
- 2 Pole 1 Module
- Rated voltage Ue(AC): 230/400V
- Rated frequency: 50/60Hz
- Insulation voltage Ui: 500V
- Rated breaking capacity(A): 6Ka
- Rated impulse withstand voltage (1.2/50) Uimp (V): 4000
- Dielectric test voltage at ind. Frq for 1 min (KV): 2
- Thermo- magnetic release characteristic: B,C,D
- Electrical life: 8000
- Mechanical life: 20,000
- Contact position degree:IP20
- Reference temperature for setting of thermal element (C): 30
- Ambient temperature (with daily average <35 C : 5~+40)
- Storage temperature (C) : -25~+70



Part code:	Description	Dimensions (WxHxDmm)
WKN106B	6A B Curve 2P 1 Module 6KA MCB	17.8x82.4x78.5
WKN116B	6A B Curve 2P 1 Module 16KA MCB	17.8x82.4x78.5

Single mod 2 pole RCBO

Our WRN range of RCBO with A-Type RCD protection in one single module 2 pole RCBO. Provide's residual and overload protection in one neat device. It can detect & respond to AC, PLUS pulsating DC components. Ideal for Domestic and Commercial applications. The WRN Range RCBOs with switched neutral built in as standard will fully isolate a faulty or damaged circuit by disconnecting live and neutral conductors.

They offer the most comprehensive circuit protection available.

Using the WRN range RCBO's will guarantee that healthy circuits remain in service and that only a faulty circuit is switched off. This avoids danger and prevents inconvenience in the event of a fault.



Part code:	Description	Dimensions (WxHxDmm)
WRN**C-030	6-40A C curve 2P 1 mod RCBO	18x82x77
WRN**B-030	6-40A B curve 2P 1 mod RCBO	18x82x77

A-Type RCBO

The 10ka WER range from WCED with A & AC type RCD protection in one. RCBO's provide residual and overload protection in one neat device. They can detect & respond as for type AC, PLUS pulsating DC components. Ideal for Electric vehicles, domestic and commercial applications.

BI-DIRECTIONAL Ideal for Solar Installations

Part code:	Description	Dimensions (WxHxDmm)
WER**B-030	Type A 6-40Amps B curve 30mA high immunity RCBO	35x82x77
WER**C-030	Type A 6-40Amps C curve 30mA high immunity RCBO	35x82x77



A-type mini RCBO

Our WRB range of 10KA RCBO with A Type RCD protection in one. RCBO's provide residual and overload protection in one neat device. They can detect & respond as for type AC, PLUS pulsating DC components. Ideal for Domestic and Commercial applications.

BI-DIRECTIONAL Ideal for Solar Installations

Part code:	Description	Dimensions (WxHxDmm)
WRB1**C-030	A-Type single mod 6-40A, C curve high immunity	18x90x77
WRB1**B-030	A-Type single mod 6-40A, B curve high immunity	18x90x77



4 pole type-A RCBO

The ADR range from WCED with A-type RCD protection in one. RCBO's provide residual and overload protection in one neat device. They can detect & respond as for type AC, PLUS pulsating DC components. Ideal for Electric vehicles, domestic and commercial applications.

BI-DIRECTIONAL Ideal for Solar Installations

Part code:	Description	Dimensions (WxHxDmm)
ADR416C-030	16A C curve 4 pole Type-A RCBO 30mA	72x85x80
ADR432C-030	32A C curve 4 pole Type-A RCBO 30mA	72x85x80
ADR440C-030	40A C curve 4 pole Type-A RCBO 30mA	72x85x80



High immunity type-A RCD

The WCED brand Type A RCDs detect and respond to sinusoidal residual AC currents and residual pulsating currents up to 6mA

Mode: electro-magnetic
 Residual current characteristics: A
 Rated operational voltage: 230/400V
 sensitivity: 100 mA Rated conditional short-circuit current: 6kA
 Mechanical durability: 4000 cycles
 Electrical durability: 2000 cycles
 IP degree of protection:
 IP20 conforming to BS EN 60529 Ambient temperature: -25 °C -- +40 °C
 Complies with BS EN 61008-1

Part code:	Description	Dimensions (WxHxDmm)
WAR263-030	2 pole 63A 30Ma Type A	36x82x70
WAR280-030	2 pole 80A 30Ma Type A	36x82x70
WAR2100-030	2 pole 100A 30Ma Type A	36x82x70
WAR463-030	4 pole 63A 30Ma Type A	71.5x82x70
WAR480-030	4 pole 80A 30Ma Type A	71.5x82x70
WAR4100-030	4 pole 100A 30Ma Type A	71.5x82x70



A-type time delay RCD

The WCED brand Time Delayed RCD is used typically when two RCDs are installed in series, and the time delayed RCD enables discrimination, i.e. in the event of a fault only the 'upstream' RCD should trip

Residual current characteristics: A
 Rated operational voltage: 230/400V
 50Hz Earth-leakage sensitivity: 30,100, 300mA
 Rated conditional short-circuit current: 6kA
 Mechanical durability: 4000 cycles
 Electrical durability: 2000 cycles
 IP degree of protection: IP20 conforming to:
 BS EN 60529 Ambient temperature: -25 °C -- +40 °C
 Complies with BS EN 61008-1
 Recommended Torque: 2.5Nm

Part code:	Description	Dimensions (WxHxDmm)
WARTD263-100	2 Pole 63Amps 100mA Time Delay	36x82x70
WARTD280-100	2 Pole 80Amps 100mA Time Delay	36x82x70
WARTD2100-100	2 Pole 100Amps 100mA Time Delay	36x82x70
WARTD463-100	2 Pole 63Amps 100mA Time Delay	71.5x82x70
WARTD480-100	2 Pole 80Amps 100mA Time Delay	71.5x82x70
WARTD4100-100	2 Pole 100Amps 100mA Time Delay	71.5x82x70



B-type RCD

WCED brand B-Type RCD provide protection against DC residual fault currents, and against AC residual fault currents up to: 1000 hertz. They comply with IEC/EN 62423. Applications included:

E.V & R.V installations, frequency converters, UPS installations, high-frequency Power converters, building site power supply cabins.

Part code:	Description	Dimensions (WxHxDmm)
WEV240B-030	2 pole 40A 30mA Type B	54x87x79.5
WEV263B-030	2 pole 63A 30mA Type B	54x87x79.5
WEV440B-030	4 pole 40A 30mA Type B	72x87x79.5
WEV463B-030	4 pole 63A 30mA Type B	72x87x79.5



All our EV and solar boards
Can be made to your custom configuration



IP65
Metal or Plastic

Surge protection device

These units give protection against Power Surges and Lightning strikes which can damage sensitive electronic equipment. 2 Pole, 40KA, Type 2.

Part code:	Description	Dimensions (WxHxDmm)
WSPD140	1P 20KA/40KA Type 2	18x90x65
WSPD240	2P 20KA/40KA Type 2	36x90x65
WSPD340	3P 20KA/40KA Type 2	54x90x65
WSPD440	3P+N 20KA/40KA Type 2	72x90x65
WSPDT2KIT-CB	1 mod 40kA 2 pole SPD kit	18x90x65
WSPDTE-2	1P+N type 1 SPD	36x90x65
WSPDTE-4	3P+N type 1+2 AC SPD	72x90x65
WSPV600	600V DC	36x90x65
WSPV1000	3 mod 1000V DC 20/40KA	54x90x65



WEC main switch & surge

Comprising of: 3 part seal and secure enclosure with 2 pole 100A Main Switch and Integral Surge Protection Device SPD240 Manual control of all kinds of electrical devices.

Applications:

Suitable for resistive and moderately inductive loads eg: switching of lighting and heating control boards in homes, shops, offices, warehouses, factories, hospitals, etc.

All switches are lockable through padlock or by means of a lock.

Part code:	Description	Dimensions (WxHxDmm)
WEC440SP	100A Main switch & 40KA Surge	95x145x82
WEC440SPT12	4 mod mini plastic enc, with main switch & type 1-2 SPD	95x145x82



Metal surge arrestor unit

This unit can be installed to update an installation to the latest 18th edition regs with regards to surge protection. It is installed between the meter and existing consumer unit.

4 module enclosure fitted with 100A main switch and 2P 40KA type 2 surge arrestor.

Part code:	Description	Dimensions (WxHxDmm)
WME440SP	100A main switch + 40KA surge arrestor	110x175x91
WMCU440SP	100A main switch + 40KA surge arrestor	130x258x110



A-Type EV RCBO kit

This unit provides earth leakage and overload protection for most electrical vehicle installations. The dual switch action indicates the type of fault detected.

A-type high immunity
6-40A current
30ma AC earth leakage
6ma DC earth leakage

Part code:	Description	Dimensions (WxHxDmm)
WMEV206C/B	2 Module enclosure 6A c or b curve	74x175x90
WMEV210C/B	2 Module enclosure 10A c or b curve	74x175x90
WMEV216C/B	2 Module enclosure 16A c or b curve	74x175x90
WMEV220C/B	2 Module enclosure 20A c or b curve	74x175x90
WMEV225C/B	2 Module enclosure 25A c or b curve	74x175x90
WMEV232C/B	2 Module enclosure 32A c or b curve	74x175x90
WMEV240C/B	2 Module enclosure 40A c or b curve	74x175x90
WME323B-32	3 Way enc, 32B RCBO + 32A MCB	110x175x90
WME32C-32	3 Way enc, 32C RCBO + 32A MCB	110x175x90
WMEV332B	3 Way enc, 32A RCBO + Blank	110x175x90
WMEV332C	3 Way enc, 32A c curve RCBO + Blank	110x175x90
WMEV340B	3 Way enc, 40A B curve RCBO + Blank	110x175x90



A-type EV RCBO kit + surge

This unit provides earth leakage and overload protection for most electrical vehicle installations. The dual switch action indicates the type of fault detected.

A-type high immunity
 6-40A current
 30ma AC earth leakage
 6ma DC earth leakage

Part code:	Description	Dimensions (WxHxDmm)
WMRC323BSP	4 way metal A Type 32A B curve RCBO + Surge	110x175x91
WMRC32CSP	4 way metal A Type 32A C curve RCBO + Surge	110x175x91
WMRC40BSP	4 way metal A Type 40A B curve RCBO + Surge	110x175x91
WMRC40CSP	4 way metal A Type 40A C curve RCBO + Surge	110x175x91



Metal IP65 weatherproof A-type EV kits

WMIP consumer unit enclosure is made of high-quality non-combustible aluminum material, its product structure is strong, durable and safe, and can withstand various harsh environmental conditions. With an IP65 rating, WMIP metal consumer unit provides high level of protection against dust and water ingress. It can withstand harsh environmental conditions, guaranteeing the safety of electrical circuits and equipment even in extreme weather conditions. Ideal for garages, showers, workshops, and other outdoor applications.

Part code:	Description	Dimensions (WxHxDmm)
WMIP5	5 mod IP65 metal Enc	164x232x102
WMIP32BSP	32A B curve RCBO + Surge	164x232x102
WMIP32CSP	32A C curve RCBO + Surge	164x232x102
WMIP40BSP	40A B curve RCBO + Surge	164x232x102
WMIP40CSP	40A C curve RCBO + Surge	164x232x102



Weatherproof A-type EV kits

This unit provides earth leakage and overload protection for most electrical vehicle installations. The dual switch action indicates the type of fault detected.

A-type high immunity
 6-40A current
 30ma AC earth leakage
 6ma DC earth leakage
 IP65 weatherproof



Part code:	Description	Dimensions (WxHxDmm)
WPEV206C/B	6A RCBO C/B curve	140x205x95
WPEV210C/B	10A RCBO C/B curve	140x205x95
WPEV216C/B	16A RCBO C/B curve	140x205x95
WPEV220C/B	20A RCBO C/B curve	140x205x95
WPEV225C/B	25A RCBO C/B curve	140x205x95
WPEV232C/B	32A RCBO C/B curve	140x205x95
WPEV240C/B	40A RCBO C/B curve	140x205x95

Weatherproof A-type EV kits + surge

This unit provides earth leakage and overload protection for most electrical vehicle installations. The dual switch action indicates the type of fault detected. This unit also comes with surge protection.

A-type high immunity
 6-40A current
 30ma AC earth leakage
 6ma DC earth leakage
 IP65 weatherproof



Part code:	Description	Dimensions (WxHxDmm)
WPRC32BSP	IP65 A-Type 32B RCBO + Surge	164x232x102
WPRC32CSP	IP65 A-Type 32C RCBO + Surge	164x232x102
WPRC40BSP	IP65 A-Type 40B RCBO + Surge	164x232x102
WPRC40CSP	IP65 A-Type 40C RCBO + Surge	164x232x102

WEV electric vehicle kit weatherproof

This unit is used especially for electric vehicle installations Which require DC earth leakage detection. B-type RCD and MCB to protect against smooth and Pulsating DC leakage.

B-type RCD DC earth leakage protection
MCB provides overload protection
IP65 weatherproof

Part code:	Description	Dimensions (WxHxDmm)
WPEVKIT63-EC	63A RCD + 40A C MCB	



WEV electric vehicle kit

This unit is used especially for electric vehicle installations Which require DC earth leakage detection. B-type RCD and MCB to protect against smooth and Pulsating DC leakage.

B-type RCD DC earth leakage protection. MCB provides overload protection

Part code:	Description	Dimensions (WxHxDmm)
WEVKIT63	63A RCD + 40A C MCB	110x175x91



EV connection units

WCED E.V Connection unit, for providing protection and isolation of E.V sockets with built in RCBO protection.
100A Main switch for isolation.
32A MCB for overload protection.
(Other MCB Ratings Available please enquire)

Part code:	Description	Dimensions (WxHxDmm)
WEVCU	100A Main switch & 32A MCB	110x175x91
WEVCU32B	100A M/S +32B MCB	110x175x91
WEVCU40B	100A M/S + 40B MCB	110x175x91
WERM6332	63A RCD A Type +32A MCB	110x175x91



EV connection unit + surge

WCED E.V Connection unit, for providing protection and isolation of E.V sockets with built in RCBO protection.
 100A Main switch for isolation.
 32A MCB for overload protection.
 (Other MCB Ratings Available please enquire)



Part code:	Description	Dimensions (WxHxDmm)
WEVCU32BSP	100A M/S + 32B MCB + SPD	175x110x91

IP65 EV connection unit + surge

WCED E.V Surge Connection unit, provides surge and overload protection and isolation of E.V sockets with built in RCBO.
 100A Main switch for isolation.
 32A MCB for overload protection.
 (Other MCB Ratings Available please enquire)

Part code:	Description	Dimensions (WxHxDmm)
WPEVCU32BSP	100A M/S + 32B MCB + SPD in 8 way IP65 enclosure	212x205x95



Metal switch fuse

Four way switch fuse with a twin-pole 100A incomer and 22x58 fuse holder

WFMS100

Also available WFMS100/3F includes 63A, 80A and 100A fuses

Part code:	Description	Dimensions (WxHxDmm)
WFMS100	Metal switch fuse 100A Main switch 22x58 fuse holder	130x238x87
WFMS1003/F	Metal switch fuse 100A Main switch 22x58 fuse holder. C/w 63/80/100A fuses.	130x238x87
WFMS100/3FSP	Fused Main Switch Metal Enclosure 100A M/S 125A Fuseholder C/W 3 FUSES + SPD	160x240x112
WFMS/3P	Fused Main Switch Metal Enclosure 4 Pole 125A M/S 3 Pole 125A fuseholder	240x160x112
WFMSRT00-3F	Time delayed RCD c/w 125A fuse holder & 3 fuses	130x238x87



Fused main switch

- Non combustible Bakelite material
- Supplied with cable shroud
- 80A & 100A Fuses-General purpose
- Can accommodate max cable 35x35mm
- Can only be removed in OFF position
- 100A/AC21
- Protection/isolation incoming supplies 100A
- Manufactured to BS EN 60497-3

Part code:	Description	Dimensions (WxHxDmm)
WFIS100	Fused main switch 80/100A fuses and shroud	52x79x126



Modular contactors

WCED brand modular contactors are designed for use in modular panels and enclosures. Electric ratings: up to 20A, 25A, 40A, 63A, 100A, 125A. Compact modular design. No noise during operation. Suitable for housing within a consumer unit or modular enclosure.

Rated operational voltage: 230/400V 50Hz
 IP degree of protection: IP20 conforming to BS EN 60529
 Utilisation category: AC-7a and AC-1 according to BS EN 60947-4-1
 Ambient temperature: -25 °C – +40 °C
 Recommended Torque: 2.0Nm
 Complies with BS EN 61095
 35mm Din rail mounting



Part code:	Description	Dimensions (WxHxDmm)
WAC2P20	2 Pole 20A 2NO AC	18x84x68
WAC2P20/24	2P 20A 2NO 24V	18x84x68
WAC2P20CO	2P 20A 1NC 1NO	18x84x68
WAC2P20NC/24	2P 20A 2NC 24V	18x84x68
WAC2P25	2P 25A	18x84x68
WAC2P32	2P 32A	36x84x68
WAC2P40	2P 40A	36x84x68
WAC2P63	2P 63A	36x84x68
WAC2P100	2P 100A	54x84x68
WAC2P125	2P 125A	109x84x68
WAC4P20	4P 20A	36x84x68
WAC4P25	4P 25A	36x84x68
WAC4P25/24	4P 25A 4NO 24V	36x84x68
WAC4P25CO	4P 25A 2NC 2NO	36x84x68
WAC4P25NC	4P 25A 4NC	36x84x68
WAC4P25NC/24	4P 25A 4NC 24V	36x84x68
WAC4P32	4P 32A	54x84x68
WAC4P32NC	4P 32A 4NC	54x84x68
WAC4P40	4P 40A	54x84x68
WAC4P40/24	4P 40A 4NO 24V	54x84x68
WAC4P40NC	4P 40A 4NC	54x84x68
WAC4P40NC/24	4P 40A 4NC 24V	54x84x68
WAC4P63	4P 63A	54x84x68
WAC4P63/24	4P 63A 4NO 24V	54x84x68
WAC4P63NC	4P 63A 4NC	54x84x68
WAC4P100	4P 100A	54x84x68
WAC4P125	4P 125A	109x84x68
WAC4P63NC/24	4P 63A 4NC 24V	54x84x68

Arc fault detection device

The WCED brand WAF range AFDD consists of Type A RCBO and a Arc fault detection module, in a single module DIN rail mounted unit. They combine short circuit, overload, earth leakage protection and arc fault protection and will disconnect Live and Neutral poles in the event of these faults. It could avoid fires caused by short circuit, circuit ageing, heavy load, poor contact, fault electrical devices etc. Automatic control is realised by a built-in computer chip. Its operating principle: the detected arc impulse is processed, compared and identified by electronic circuit and MCU, once fault arc impulse which easily creates fire is detected, the output will drive tripping unit to cut off the load power supply, so that the fire is prevented.

Protective Area

The WAF range AFDD's combines AFDD MCB and A-Type RCD devices. They can detect & respond as for type AC, PLUS pulsating DC components. This allows to provide the highest protection level. Ideal for domestic and commercial applications.

Part code:	Description	Dimensions (WxHxDmm)
WAF106B-030	A Type Single module 6A B Curve 30mA	17.8x116x76
WAF110B-030	A Type Single module 10A B Curve 30mA	17.8x116x76
WAF116B-030	A Type Single module 16A B Curve 30mA	17.8x116x76
WAF120B-030	A Type Single module 20A B Curve 30mA	17.8x116x76
WAF132B-030	A Type Single module 32A B Curve 30mA	17.8x116x76
WAF140B-030	A Type Single module 40A B Curve 30mA	17.8x116x76



IP65 13A socket and spur units

The Weatherproof Socket range comprises a robust poly-carbonate enclosure with durable and interchangeable integrated two gang switched socket. It provides a convenient and safe wall mounted power point for outdoor equipment such as D.I.Y and garden tools and equipment.

IP66 water and dust protection

Robust poly-carbonate housing

Secure and easy to open lid- catch

Removable blanking caps on all four sides for cable entry

Complies with BS1363



Part code:	Description	Dimensions (WxHxDmm)
WPS213	IP66 2 gang weatherproof socket	170x150x80
WPS113	IP66 1 gang weatherproof socket	112x150x80
WPF13	IP66 weatherproof spur	112x150x80

20A IP65 switches

The Weatherproof Switch range comprises a robust poly-carbonate enclosure incorporating a one or two gang Grid Switch Module arrangement. It provides a convenient and safe wall-mounted control for outdoor equipment such as lighting, garden pond pumps, etc up to 20A current rating.

Weatherproof & dust-tight 20A switch

IP66 water and dust protection

Configurable neon indicator

Robust poly-carbonate housing

Multiple gland entry positions

Ergonomic large switch

Ideal for garden workshop & commercial applications

Complies with BS EN 60669-1



Part code:	Description	Dimensions (WxHxDmm)
WS1G2W	Weatherproof 20A 1 gang 2 way switch	89x89x51
WS1GR	Weatherproof 20A 1 gang 2 way retractive	89x89x51
WS2G2W	Weatherproof 20A 2 gang 2 way switch	89x89x51



PME fault detection

The PME is an EV (Electric Vehicle) distribution board that will completely disconnect all phases and earth, if a PME fault is detected. It provides customers with a safer and

compliant electric vehicle charging solution. There is no need for an earth rod if this distribution board is used. It is suitable for EV chargers with integral DC leakage protection

but no PME fault detection.

- 1) Automatically monitors the supply voltage on both 230V & 240V
- 2) Within 5 seconds in the event of an under-voltage of less than 207V or an over-voltage of more than 253V Live, Neutral & Earth will be isolated.
- 3) Following an under-voltage isolation, will automatically reset when normal operating range is restored.
- 4) Following an over-voltage isolation, on the grounds of safety, you will need to press the "RESET" button of WVP32 to reset the device.

Available in either IP40 metal or IP65 plastic enclosure.

RCBO or MCB variants (if using RCBO version test monthly using test button)

Part code:	Description	Dimensions (WxHxDmm)
WMEPME08/SP	Metal 40A C curve + SPD	232x240x112
WPEPME08/SP	IP65 40A C curve + SPD	295x255x140
WMEPME06/C40	Metal 40A C curve	232x240x112
WPEPME08/C40	IP65 40A C curve	295x255x140
WMEPME10/SP	Metal 40A C curve with kWh meter	232x240x112
WPKPME08/C40	IP65 40A MCB	295x255x140
WMKPME08/SP-C40	Metal 40A MCB	232x240x112



PME load balancing

The PME range consumer unit is perfect for EV Chargers that do not have integral PME protection & earth leakage protection

& overload protection & require load management.

1) Automatically monitors the supply voltage on both 230V & 240V

2) Within 5 seconds in the event of an under-voltage of less than 207V or an over-voltage of more than 253V Live, Neutral & Earth will be

isolated.

3) Following an under-voltage isolation, will automatically reset when normal operating range is restored.

4) Following an over-voltage isolation, on the grounds of safety, will need to press the "RESET" button of WVP32 to reset the device.

Load management

Installing a current transformer on the incoming supply (Main cable) protects against the car charger overloading the installation. This feature is useful for properties with existing high current electric appliances, e.g. induction hobs, electric showers and heating.

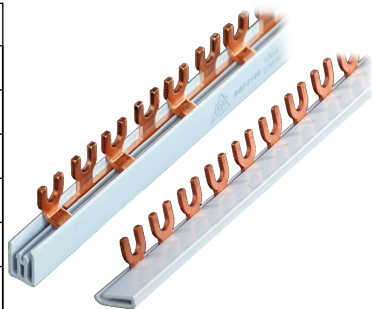
Part code:	Description	Dimensions (WxHxDmm)
WMEPME10/LB	PME 40A C curve + load balancing	232x240x112
WPEPME12/LB	IP65 40A C curve +load balancing	295x255x140
WMKPME10/LB	Metal 40A MCB + load balancing	232x240x112
WPKPME12/LB	IP65 40A MCB + load balancing	295x255x140
WMEPME12/LB	Metal 40A RCBO + load balancing + kWh meter	232x240x112
WME08/LB40	Non PME load balancing kit metal	232x240x112
WPE08/LB40	Non PME load balancing kit metal IP65	212x205x95



Bus bar

Various busbar suitable for Whitecliffe products.

Part code:	Description	Dimensions (WxHxDmm)
BBC5	Busbar pincovers	N/A
BBP3100	3 pole 100A pin	1 meter
BBP2100	2 pole 100A pin	1 meter
BBF2100	2 pole 100A forked	1 meter
BBF1100	1 pole 100A forked	1 meter
BBP1100	1 pole 100A pin	1 meter
BBF4100	4 pole 100A forked	1 meter



Terminal blocks

WTB5 100A 5 Way terminal block is designed to accommodate cables ranging from 2.5 mm² to 35 mm², making it suitable for a wide range of applications.

Its versatile design allows for easy connection of multiple cables, while its lockable feature and sealable lid provide added security. It comes with blanking pieces, allowing you to seal off unused connection points, ensuring optimal safety.

Its hexagon screw ensures that the connections are firmly held in place, providing a reliable and stable connection. Ideal for your electrical connection needs



Part code:	Description	Dimensions (WxHxDmm)
WTB5-BR	5 way 100A single pole terminal block brown	50x71x42
WTB5-GY	5 way 100A single pole terminal block grey	50x71x42
WTB5-BK	5 way 100A single pole terminal block black	50x71x42
WTB5-BL	5 way 100A single pole terminal block blue	50x71x42
WTB5-GN	5 way 100A single pole terminal block green	50x71x42



Blanks

Metal and plastic blanks.

Part code:	Description	Dimensions (WxHxDmm)
MEBLANK	Metal blanking piece fitted into lid	1 mod
MEBLANK10	Pack of 10 metal blanks	1 mod
MEBLANK50	Pack of 50 metal blanks	1 mod
MEBLANK100	Pack of 100 metal blanks	1 mod
PEBLANK	Plastic blanking plate fitted into lid	4 mod
MCBBLANK	Plastic blank fitted onto Din rail	1 mod



Glands

Cable glands

Part code:	Description	Dimensions (WxHxDmm)
GTG3225	Grey cable gland 25/25mm 16mm	N/A
GTG3216	32mm grey cable gland 16/16mm 10mm	N/A



Grommet strips

Grommet strips black 0.4 and 0.9 metre lengths.

Part code:	Description	Dimensions (WxHxDmm)
PST4	0.4M black plastic strip for WME enc.	0.4M
PST9	0.9M black plastic strip for WME enc.	0.9M

Terms And Conditions

Whitecliffe Electrical Distribution Ltd is registered at unit 9 Dale street radcliffe M26 1AD (11889357)

VAT Registration Number GB318075017

When you (the person named on the order) place an order with us, we will do business with you under the following terms.

1.VAT

The prices shown are exclusive of VAT and this will be charged at the relevant rate.

2.Payment

Where we do not offer credit facilities all our goods are on a payment-with-order basis. We can take payment by most credit cards and debit cards. If credit facilities are offered payment shall be received within 30 days from date of invoice unless specified in writing. Payments shall not be withheld due to unrelated claims made by the purchaser against the seller. Late payment charges of 2% per month on any outstanding invoice will be levied on overdue payments.

3.Sending you the goods

We will normally send you your goods on the same working day, as long as we receive your order before 2pm. The goods become your property as soon as we receive payment. Delivery We will deliver your order to any address in the UK. For standard delivery, we use a national carrier and in most cases you will receive your goods on the next working day. If you live in a remote area or the carrier finds your address more difficult to find, your delivery may take a little longer. With some of the more remote areas such as the Highlands of Scotland, delivery can take several days.

4.Receiving orders

We will always need an authorised signature when delivering goods to you.

5. Availability

We aim to keep enough stock so that we never run out. However, at times when there is unexpectedly high demand, we may unfortunately run out. If this happens, we may delay sending out your order for a couple of days while we get new stock. We will use the information you have given with your order to let you know about our progress. You may contact us at any time to check on the progress of your order.

6.Cancellation

If you want to cancel your order, you may do so at any time until we send it out. We normally pack and send out your order in a very short period. If you want to cancel the order, you should do so by email and we will confirm whether we have been able to do this.

7. Returns

If you wish to return non stock items a return fee of 20% will be levied against the cost of the goods when returned, no returns will be accepted without prior authorisation.

8.12-Month Guarantee

If any of the goods we supply fail to perform satisfactorily due to faulty materials or workmanship, you may contact us for a refund or to arrange repair (if we decide) at any time in the first 12 months. All we ask is that you explain what the problem is and give us details of the purchase. Some of the goods we sell carry longer manufacturers' warranties. Our guarantee is aimed at giving you extra peace of mind. It is not a substitute for the manufacturer's warranty.

9.Our mistakes

We are constantly updating our products, prices and offers. We are confident of our technology and staff but we realise that we sometimes may make mistakes. If we offer goods for sale incorrectly, we will always try to honour our offer. There may be rare circumstances where it is not possible for us to do this. In these cases, we will contact you and explain the situation. If we cannot sort out the matter fairly with you, we can refuse your order and refund any payment you may have made.

10.Unexpected circumstances

If things like strikes, wars, acts of terrorism or even small things like power cuts interfere with our business with you, we will do our best to keep things going. However, we will not be legally responsible to you for any failure which is due to these unexpected circumstances or any other situation outside our control.

Legal responsibility Nothing in these terms of business should affect your legal rights or limit our legal responsibility for death, personal injury or fraudulent misrepresentation resulting from our negligence, or any other liability which we cannot limit or exclude by law. (This includes our legal responsibility under section 2(3) of the Consumer Protection Act 1987.) We will not compensate for delivery delays or failures that are outside our control unless you have asked us for a premium delivery option. In these circumstances, we will limit what we pay you to a refund of the delivery charges you have paid. We will not be legally responsible to you for any losses which both we and you could not expect at the time you bought the goods. If you are a trade customer, we will not be legally responsible to you for any business losses.

Law These terms of business will be governed by English law. Any disputes will be dealt with by the English courts.



