FuseBox®

Making Electricians Smile!

Single Phase Circuit Protection Solutions


100A Rated Consumer Units


Surge Protection


Bi-Directional RCBOs


Mini AFDDs


RCDs


MCBs



fusebox.ie

About **FuseBox**

FuseBox design and manufacture a wide range of low voltage electrical products for domestic and commercial applications.

FuseBox aim to provide high quality, competitively priced products to the wholesaler from stock and on time.

Our product portfolio includes consumer units and circuit protection.





About



Certificates

All FuseBox products are designed in accordance with current standards and independently tested.

















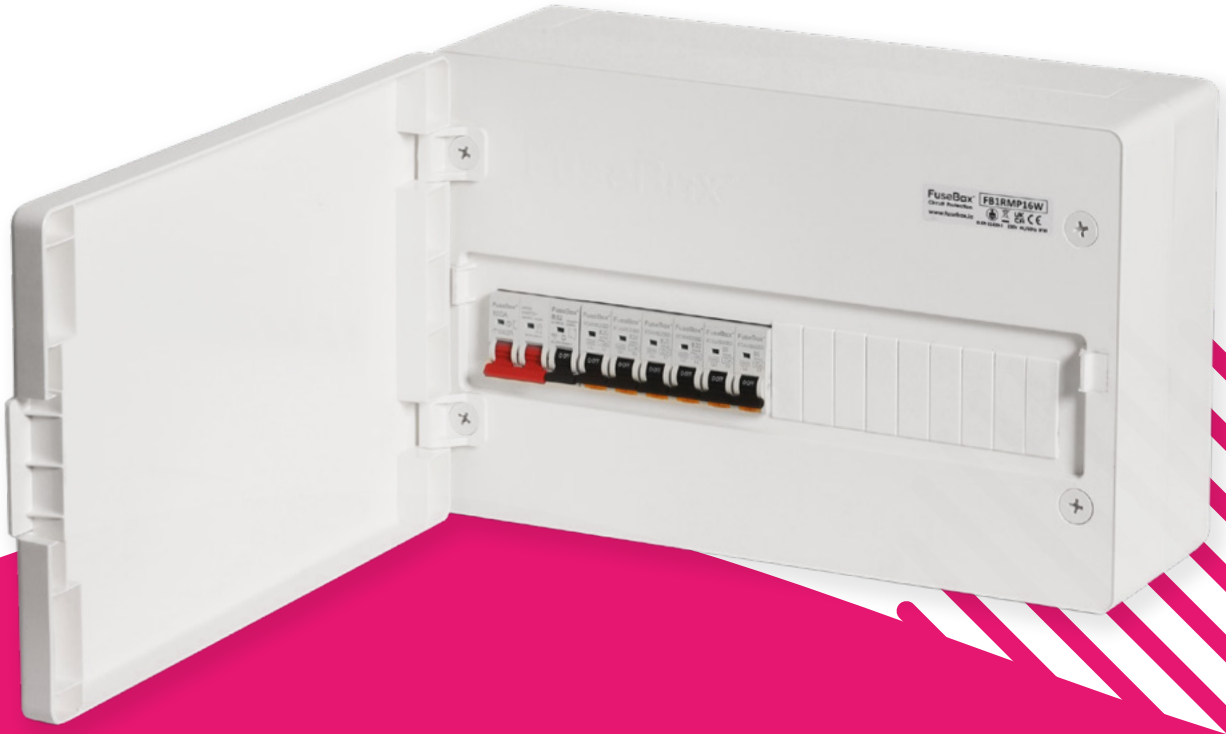


Single Phase Insulated **Consumer Units**

What Makes It a **FuseBox?**

- 100A Main Switch with Single-Module Bidirectional RCBO as standard
- 18 Modules per Row
- Full length 100A Rated Busbar
- Generous Internal Space for Ease of Installation
- Readily Removable Linked DIN Rails
- Terminal Bars Above Each Din Rail for Easier Wiring and Testing
- Reversible Door Can Be Fixed to Either Side
- Robust Internal Support for Enhanced Rigidity
- Removable Gland Plates on Top and Bottom
- Multiple Knockouts on Top, Bottom, Rear, and Sides
- IS 10101:2020 Compliant

Choose from 1 to 4 row configurations. Available with or without our single-module, direct to busbar T2 SPD



* Example shown FB1RMP16W

100A Main Switch Consumer Units

FuseBox 100a Main Switch consumer units come prepopulated with bidirectional mini RCBOs and 25mm² cable as standard. Available 1-4 rows (18 Modules per row) with or without T2 SPD.

* Example shown FB3RMP50WZ-01



100A Main Switch Consumer Units

Codes	Description	No. of rows	Devices Included	Dimensions (mm) HxWxD
FB1RMP16W	100A MAIN SWITCH 16W	1	1x 32A MCB 4x20A, 2x6A BD RCBO	256x400x150
FB2RMP33W	100A MAIN SWITCH 33W (16/17)	2	1x 32A MCB 4x20A, 2x6A BD RCBO	458x400x150
FB3RMP51W	100A MAIN SWITCH 51W (16/17/18)	3	1x 32A MCB 4x20A, 2x6A BD RCBO	660x400x150
FB4RMP67W	100A MAIN SWITCH 67W (16,16,17,18)	4	1x 32A MCB 4x20A, 2x6A BD RCBO	862x400x150
FB1RMP15WZ	100A MAIN SWITCH T2 SPD 15W	1	1x 32A MCB 4x20A, 2x6A BD RCBO	256x400x150
FB2RMP32WZ	100A MAIN SWITCH T2 SPD 32W (15/17)	2	1x 32A MCB 4x20A, 2x6A BD RCBO	458x400x150
FB3RMP50WZ	100A MAIN SWITCH T2 SPD 50W (15/17/18)	3	1x 32A MCB 4x20A, 2x6A BD RCBO	660x400x150
FB4RMP66WZ	100A MAIN SWITCH T2 SPD 66W (15,16,17,18)	4	1x 32A MCB 4x20A, 2x6A BD RCBO	862x400x150





FB2RMP32WZ-03

Split Load Consumer Unit

FuseBox Split Load Consumer Units come prepopulated with 100A Main Switch and 80A RCD and available, in 1-4 rows (18 Modules per row) with or without T2 SPD.



FB2RMP32WZ-01 **FB3RMP50WZ-01**

Split Load Consumer Unit

Codes	Description	No. of rows	Devices Included	Dimensions (mm) HxWxD
FB1RSLB14	100A MS + 80A 30mA RCD type A	1	4x20A, 1x32A MCB 2x 6A BD RCBO	256x400x150
FB2RSLB32	100A MS + 80A 30mA RCD type A	2	4x20A, 1x32A MCB 2x 6A BD RCBO	458x400x150
FB3RSLB50	100A MS + 80A 30mA RCD type A	3	4x20A, 1x32A MCB 2x 6A BD RCBO	660x400x150
FB4RSLB67	100A MS + 80A 30mA RCD type A	4	4x20A, 1x32A MCB 2x 6A BD RCBO	862x400x150
FB1RSLB13Z	100A MS+ T2 SPD +80A 30mA RCD type A	1	4x20A, 1x32A MCB 2x 6A BD RCBO	256x400x150
FB2RSLB31Z	100A MS +T2 SPD+ 80A 30mA RCD type A	2	4x20A, 1x32A MCB 2x 6A BD RCBO	458x400x150
FB3RSLB49Z	100A MS+ T2 SPD+ 80A 30mA RCD type A	3	4x20A, 1x32A MCB 2x 6A BD RCBO	660x400x150
FB4RSLB66Z	100A MS +T2 SPD+ 80A 30mA RCD type A	4	4x20A, 1x32A MCB 2x 6A BD RCBO	862x400x150

4 Module Enclosure

Part No.	Description
FB4E66	IP66 ABS ENC 4MODULE





* Example shown **FB3RMP50WZ**

Circuit **Protection**

The FuseBox circuit protection range of metal consumer units and protection devices, offers flexible versatile solutions for electrical installations.

Metal Clad Consumer Unit **Features**

- Direct to busbar single module T2 SPD (no MCB required)
- Accessory pack with reinforced grommet strip included
- Earth and neutral terminal bars at the top
- Removable and raised DIN rail
- Round knock-outs on all faces
- Extra height for RCBO's
- 1mm Steel
- RAL 9001 powder-coated finish
- Tail clamp fixed to the din rail (exception F3014DT)
- Circuit identification labels
- Captive screws on front cover
- IP2XC
- EN61439-3



Metal Clad Surge Protection Consumer Units

EN 61439-3

* Example shown F3007MZ
* Devices and blanks to be ordered separately (pages 14-20)



Main Switch Incomer (100A) With T2 Surge

Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F3007MZ	7 WAY (100A Main Switch) SPD T2	Included	10P
F3011MZ	11 WAY (100A Main Switch) SPD T2	Included	14P
F3015MZ	15 WAY (100A Main Switch) SPD T2	Included	18P
F3021MZ	21 WAY (100A Main Switch) SPD T2	Included	24P



F3007MZ T2 SPD 7WAY



F3015MZ T2 SPD 15WAY

Metal Clad Surge Protection Consumer Units
EN 61439-3

Double bank and Triple bank boards complete with Type 2 Surge Protection Device offers a maximum of 31 usable ways on a two row layout and 47 usable ways on three rows. Ideal for housing all din modular accessories such as a bell transformer and installation contactors.



F3023MZ T2 SPD 23WAY



F3047MZ T2 SPD 47WAY

Main Switch Incomer (100A) With T2 Surge (Double Bank)

Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F3023MZ	23 WAY (11/12) (100A Main Switch) SPD T2	Included	28P
F3031MZ	31 WAY (15/16) (100A Main Switch) SPD T2	Included	36P

Main Switch Incomer (100A) With T2 Surge (Triple Bank)

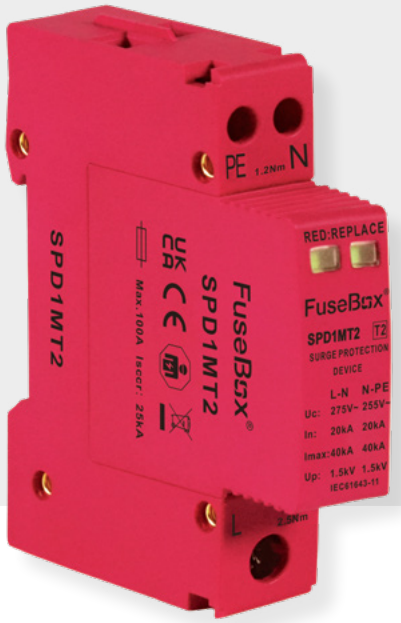
Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F3047MZ	47 WAY (15/16/16) (100A Main Switch) SPD T2	Included	54P

Metal Enclosures

Part No.	Description
F3054E	54 MODULE ENCLOSURE 3 BANK (E+N TERMINALS)



Surge Protection
Suitable for TN, TNC-S, TNC and TT systems





Surge Protection Consumer Unit Kits

Part No.	Description
SPD1MT2	DIRECT TO BUSBAR, SINGLE MODULE T2 SPD
SPDCUKITT1	T1 SPD DEVICE (36mm) with 63A MCB and CABLES

RCD 2P
EN 61008-1

Type A

Part No.	Description
RTA250302	TYPE A 25A 30mA 2P RCD
RTA400302	TYPE A 40A 30mA 2P RCD
RTA630302	TYPE A 63A 30mA 2P RCD
RTA800302	TYPE A 80A 30mA 2P RCD
RTA801002	TYPE A 80A 100mA 2P RCD
RTA100302	TYPE A 100A 30mA 2P RCD
RTA1001002S	TYPE A 100A 100mA 2P RCD "S" TYPE Time Delayed



* Example shown RTA630302



Type B

Part No.	Description
RTB630302M	TYPE B 63A 30mA 2P RCD (36mm)

Type F

Part No.	Description
RTF250302	TYPE F RCD 25A 30MA 2P
RTF400302	TYPE F RCD 40A 30MA 2P
RTF630302	TYPE F RCD 63A 30MA 2P
RTF1000302	TYPE F RCD 100A 30MA 2P

MCB 6kA 1P
EN 60898-1

B Curve

Part No.	Description
MT06B061	6A B CURVE MCB 6kA 1P
MT06B101	10A B CURVE MCB 6kA 1P
MT06B161	16A B CURVE MCB 6kA 1P
MT06B201	20A B CURVE MCB 6kA 1P
MT06B251	25A B CURVE MCB 6kA 1P
MT06B321	32A B CURVE MCB 6kA 1P
MT06B401	40A B CURVE MCB 6kA 1P
MT06B451	45A B CURVE MCB 6kA 1P
MT06B501	50A B CURVE MCB 6kA 1P
MT06B631	63A B CURVE MCB 6kA 1P

C Curve

Part No.	Description
MT06C061	6A C CURVE MCB 6kA 1P
MT06C101	10A C CURVE MCB 6kA 1P
MT06C161	16A C CURVE MCB 6kA 1P
MT06C201	20A C CURVE MCB 6kA 1P
MT06C251	25A C CURVE MCB 6kA 1P
MT06C321	32A C CURVE MCB 6kA 1P
MT06C401	40A C CURVE MCB 6kA 1P
MT06C501	50A C CURVE MCB 6kA 1P
MT06C631	63A C CURVE MCB 6kA 1P



* Examples shown MT06B501 & MT06C321

Single Module Bi-directional RCBO (1P+N Switched)

B Curve	Description	C Curve	Description
RTAMB06BD	MINI 6A B RCBO 1P+N (SW) 30mA 6kA TYPE A BIDIRECTIONAL	RTAMC06BD	C6 MINI RCBO 6kA 1P+N (SW) 6A C TYPE A BIDIRECTIONAL
RTAMB10BD	MINI 10A B RCBO 1P+N (SW) 30MA 6KA TYPE A BIDIRECTIONAL	RTAMC10BD	C10 MINI RCBO 6KA 1P+N (SW) 10A C TYPE A BIDIRECTIONAL
RTAMB16BD	MINI 16A B RCBO 1P+N (SW) 30MA 6KA TYPE A BIDIRECTIONAL	RTAMC16BD	C16 MINI RCBO 6KA 1P+N (SW) 16A C TYPE A BIDIRECTIONAL
RTAMB20BD	MINI 20A B RCBO 1P+N (SW) 30MA 6KA TYPE A BIDIRECTIONAL	RTAMC20BD	C20 MINI RCBO 6KA 1P+N (SW) 20A C TYPE A BIDIRECTIONAL
RTAMB25BD	MINI 25A B RCBO 1P+N (SW) 30MA 6KA TYPE A BIDIRECTIONAL	RTAMC25BD	C25 MINI RCBO 6KA 1P+N (SW) 25A C TYPE A BIDIRECTIONAL
RTAMB32BD	MINI 32A B RCBO 1P+N (SW) 30MA 6KA TYPE A BIDIRECTIONAL	RTAMC32BD	C32 MINI RCBO 6KA 1P+N (SW) 32A C TYPE A BIDIRECTIONAL
RTAMB40BD	MINI 40A B RCBO 1P+N (SW) 30MA 6KA TYPE A BIDIRECTIONAL	RTAMC40BD	C40 MINI RCBO 6KA 1P+N (SW) 40A C TYPE A BIDIRECTIONAL

RCBO 6kA (Type A) EN 61009-1

Part No.	Description
RTA064530B	45A B RCBO 30mA 6kA TYPE A
RTA065030B	50A B RCBO 30mA 6kA TYPE A



* Examples shown RTAMB06BD

Mini Arc Fault Detection Device (AFDD)

- FuseBox combined AFDD/ RCBO (1P+N) SWITCHED
- Fully compliant and 3rd party tested to BS EN 62606 / IEC 61009-1
- LED Fault indication
- Fits all FuseBox consumer units
- Replaces any FuseBox RCBO where additional ARC protection may be required
- Used for the protection against ARC FAULTS (SERIES AND PARALLEL), overload, short circuit and earth leakage
- Type A for AC and pulsating DC sensitivity
- Short circuit capacity of 6kA with a maximum rating of 40A

B Curve

Part No.	Description
MAFDD060630B	Mini AFDD RCBO 6A 30mA 1P+N TYPE A
MAFDD061030B	Mini AFDD RCBO 10A 30mA 1P+N TYPE A
MAFDD061630B	Mini AFDD RCBO 16A 30mA 1P+N TYPE A
MAFDD062030B	Mini AFDD RCBO 20A 30mA 1P+N TYPE A
MAFDD062530B	Mini AFDD RCBO 25A 30mA 1P+N TYPE A
MAFDD063230B	Mini AFDD RCBO 32A 30mA 1P+N TYPE A
MAFDD064030B	Mini AFDD RCBO 40A 30mA 1P+N TYPE A



Accessories

Bell Transformer

Part No.	Description	Module
ABTR	BELL TRANSFORMER 8V 1A	2
ABTR16	BELL TRANSFORMER 16V/0.5A	2





Module Blanks

Part No.	Description	Module
ADRB	MODULE BLANK DINRAIL MOUNTING (1PC)	1
AFBIMBP	20X MODULE BLANKS 18MM (2X 10 BLANKS PER STRIP)	20



Main Switch / Isolator

Part No.	Description	Module
IT1252	125A 2 POLE ISOLATOR	2
IT1002U	100A 2 POLE TERMINAL	2
IT1002R	100A AC22A 2P MAIN SWITCH ROI	2





kWH Meter (MID Approved)

Part No.	Description	Module
KWH1M45	kWH METER 45A 230V	1





Time Clock

Part No.	Description	Module
TD1	DIGITAL TIME CLOCK 7 DAY 1CH 150HR RESERVE	2





Fused Switch

Part No.	Description
SF0100	100A FUSED SWITCH (inc. 63A, 80A, 100A gG Fuses)
SF0100RA	100A 100mA Time delayed RCD Type A + Fuse Holder (inc. 63A, 80A, 100A gG Fuses)
SF0100T2Z	100A FUSED SWITCH + T2 SPD (inc. 63A, 80A, 100A gG Fuses)



Meter Isolator Switch (2 POLE)

Part No.	Description
E2	2MODULE SPLIT LID ENCLOSURE (36mm) IP20



Meter Isolator Switch (4 POLE)

Part No.	Description
E4	4MODULE SPLIT LID ENCLOSURE (72mm) IP20





Changeover Switch

Part No.	Description
SCO125	125A CHANGEOVER SWITCH 1P + N IN METAL ENCLOSURE



Insulated Consumer Unit Accessories

Part No.	Description
AFBIBEC	BUSBAR PIN INSULATORS (YELLOW) 30pcs
AFBIBB18	18PIN BUSBAR INSULATED (Can be cut to suit) 100A
AFBIEXT	KIT POWER KIT +1 ROW (100A) : L+N CABLES , BUSBAR , IT1001U

Installation Contactors

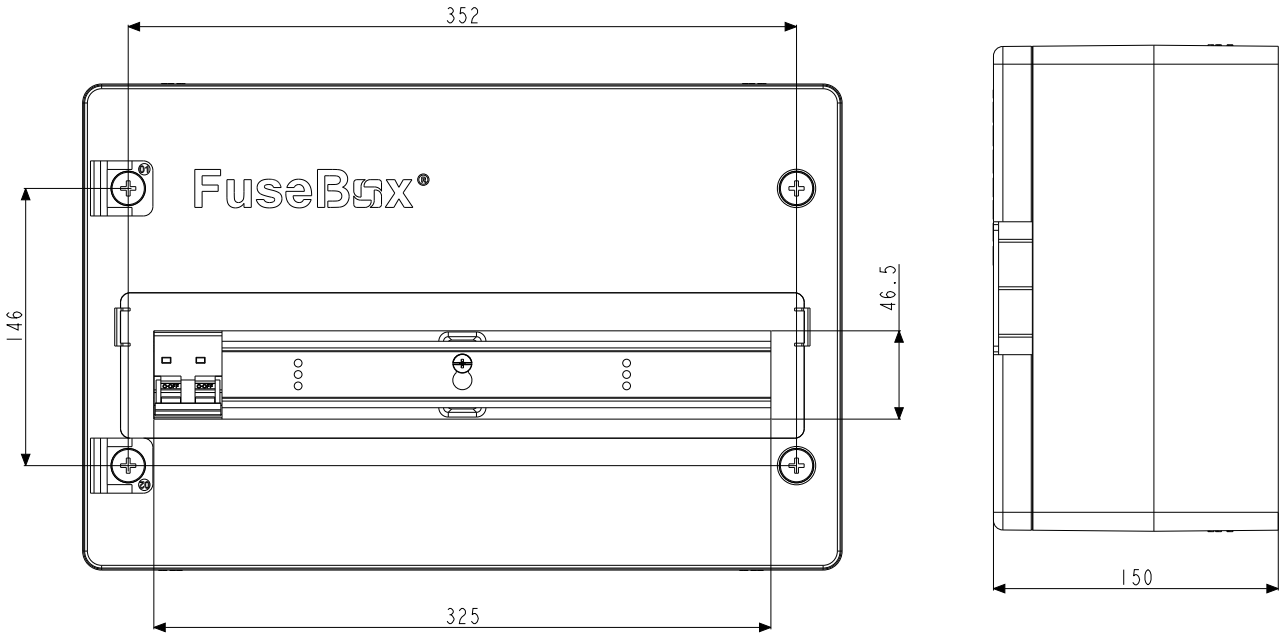
Supplied With 2x9mm Heat Dissipation Spacers (+1)

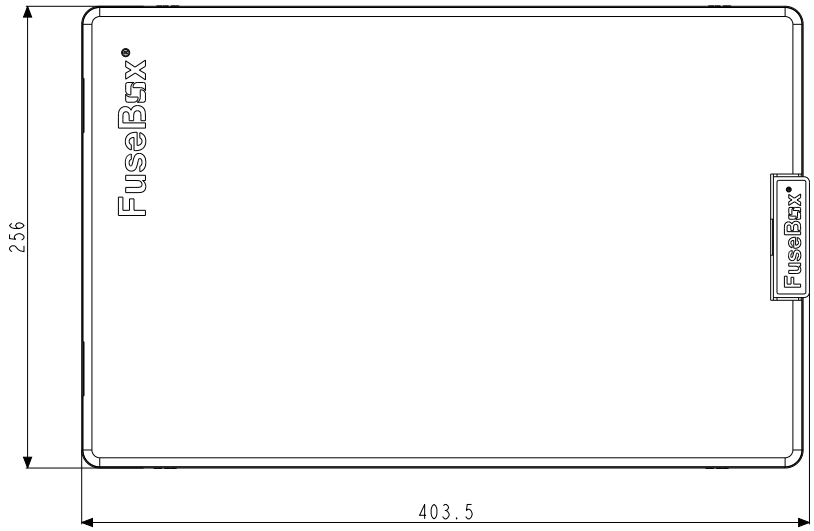
Part No.	Description
INC202	20A 2P N/O INST CONT 230V (18mm)
INC254	25A 4P N/O INST CONT 230V (36mm)
INC402	40A 2P N/O INST CONT 230V (54mm)
INC404	40A 4P N/O INST CONT 230V
INC632	63A 2P N/O INST CON 230V (36mm)
INC634	63A *4P N/O INST CONT 230V (54mm)



Dimensions

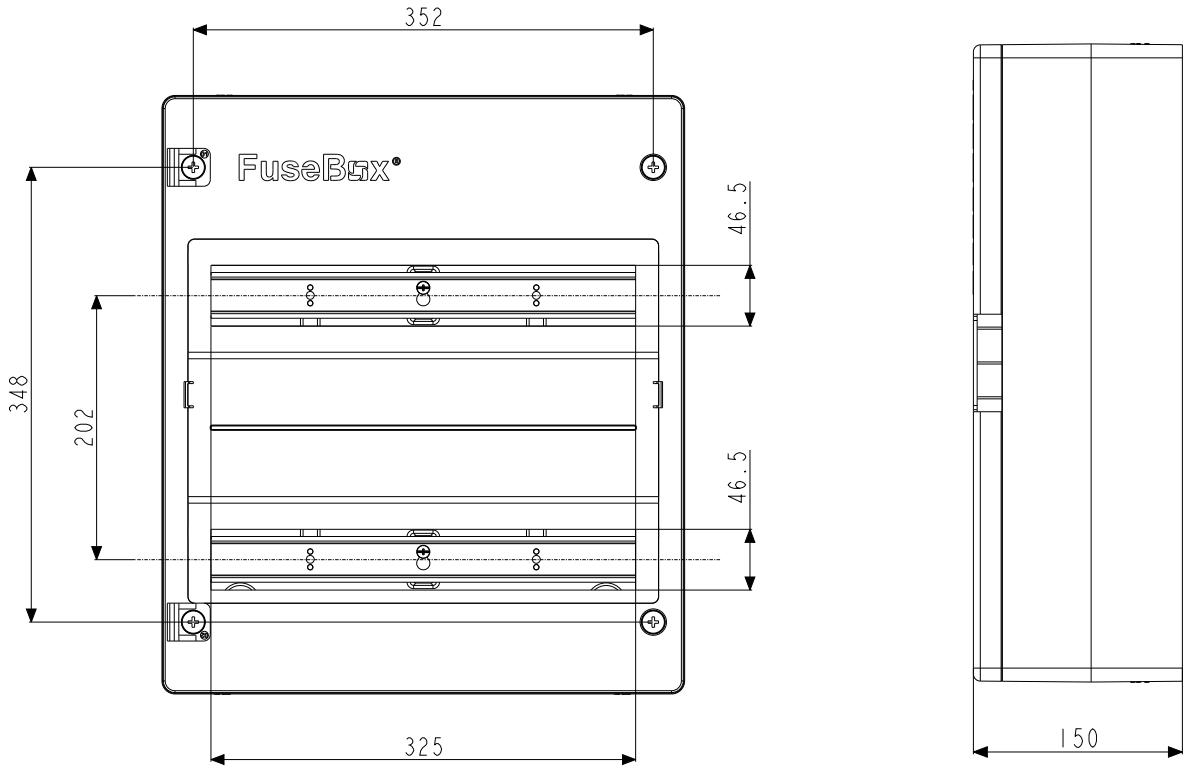
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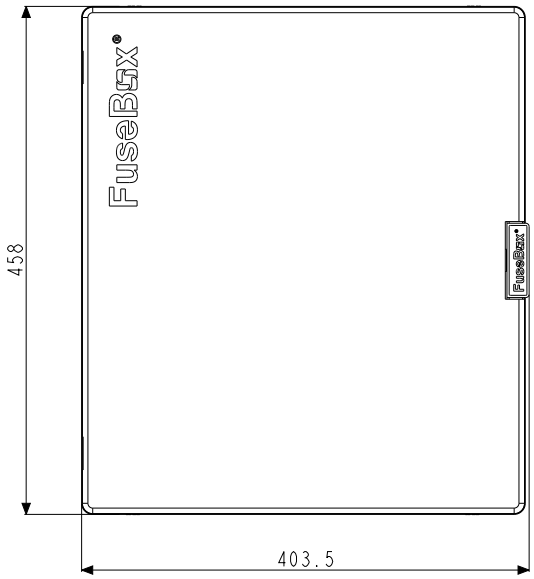




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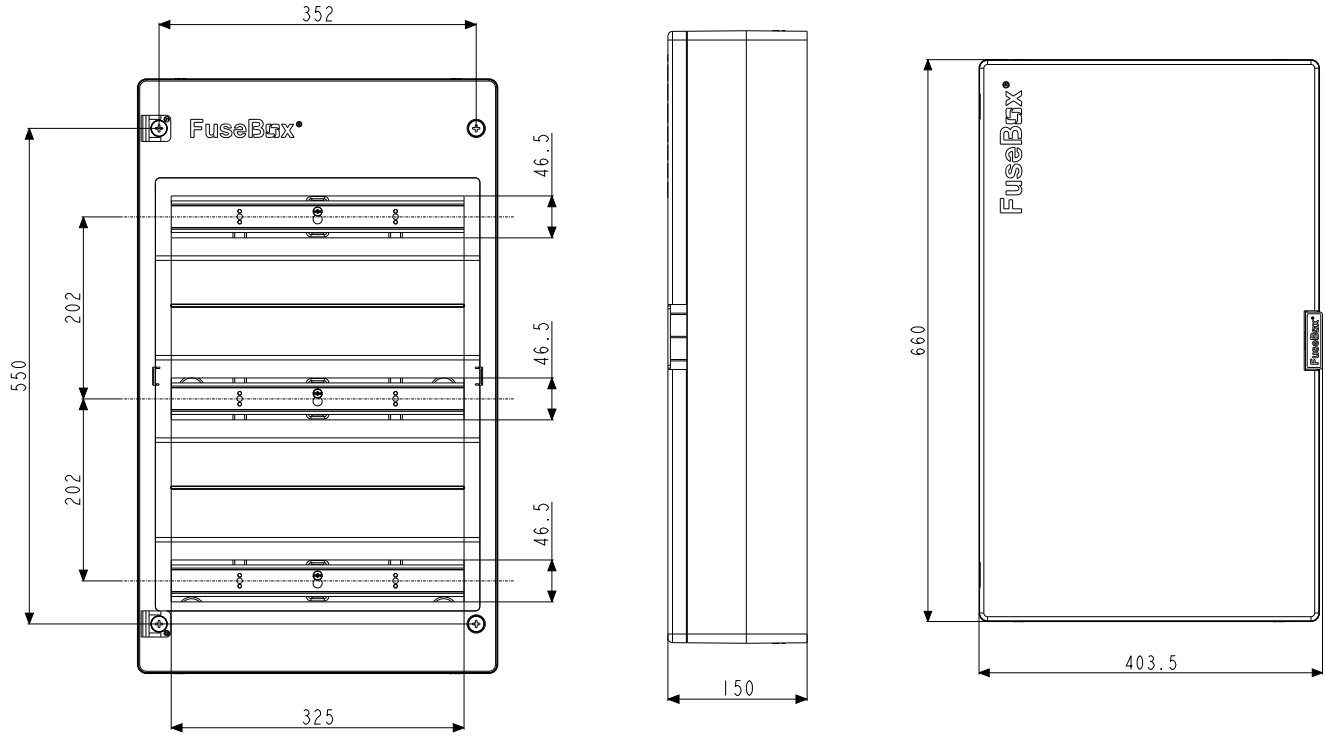
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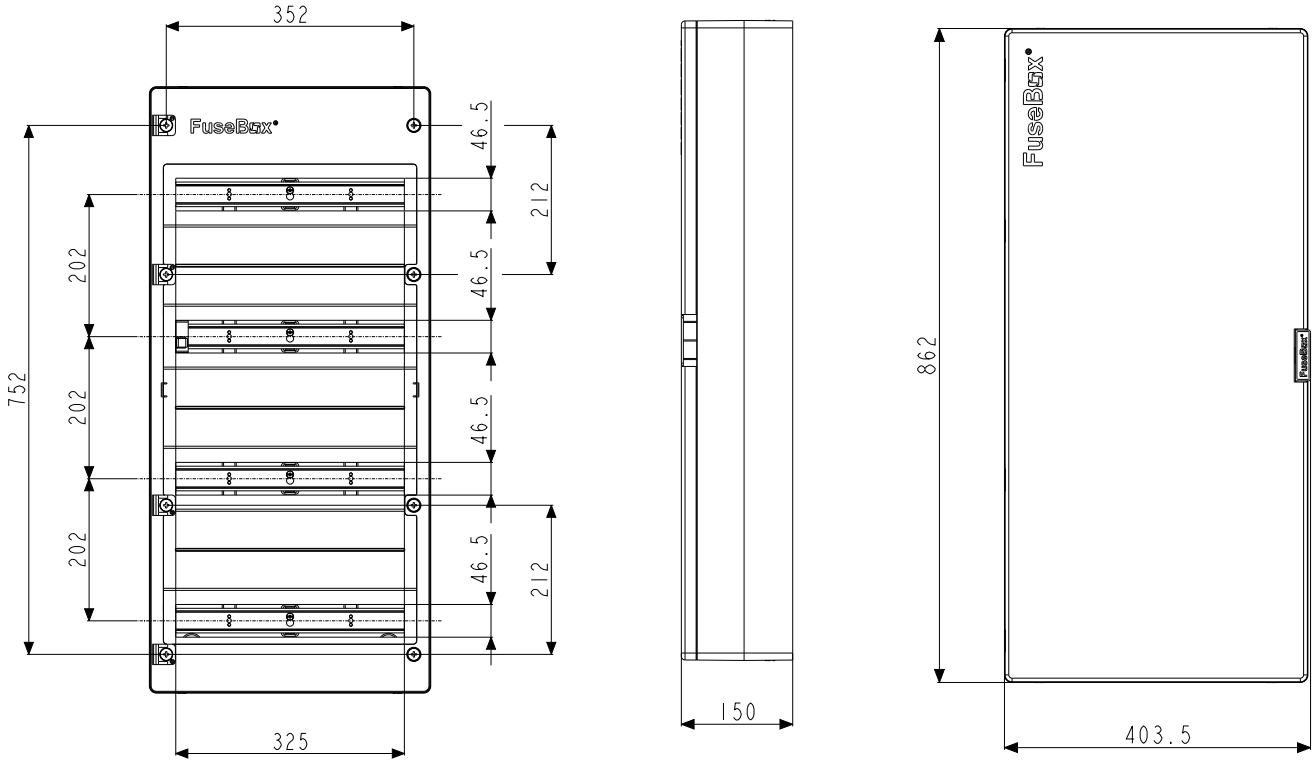


Dimensions

3 ROW

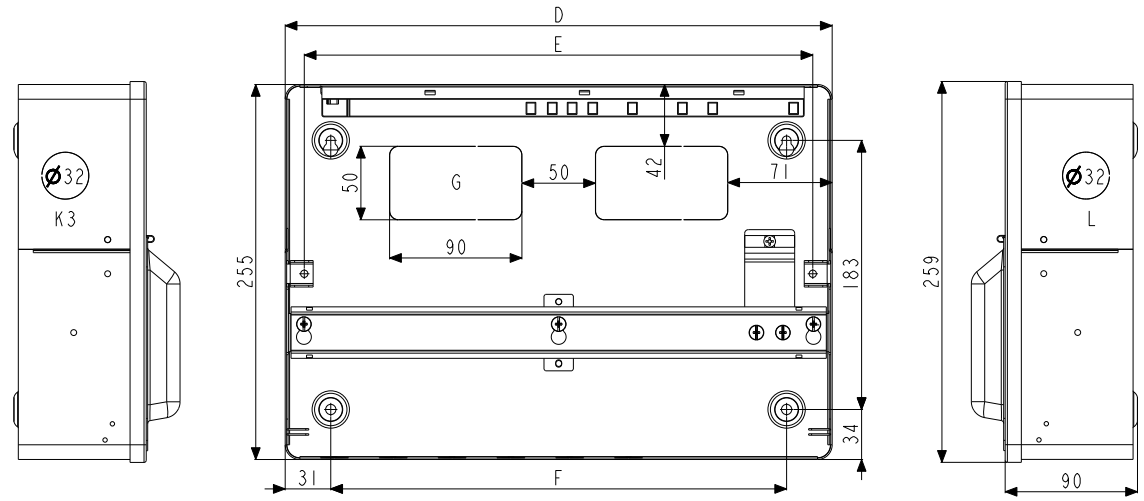


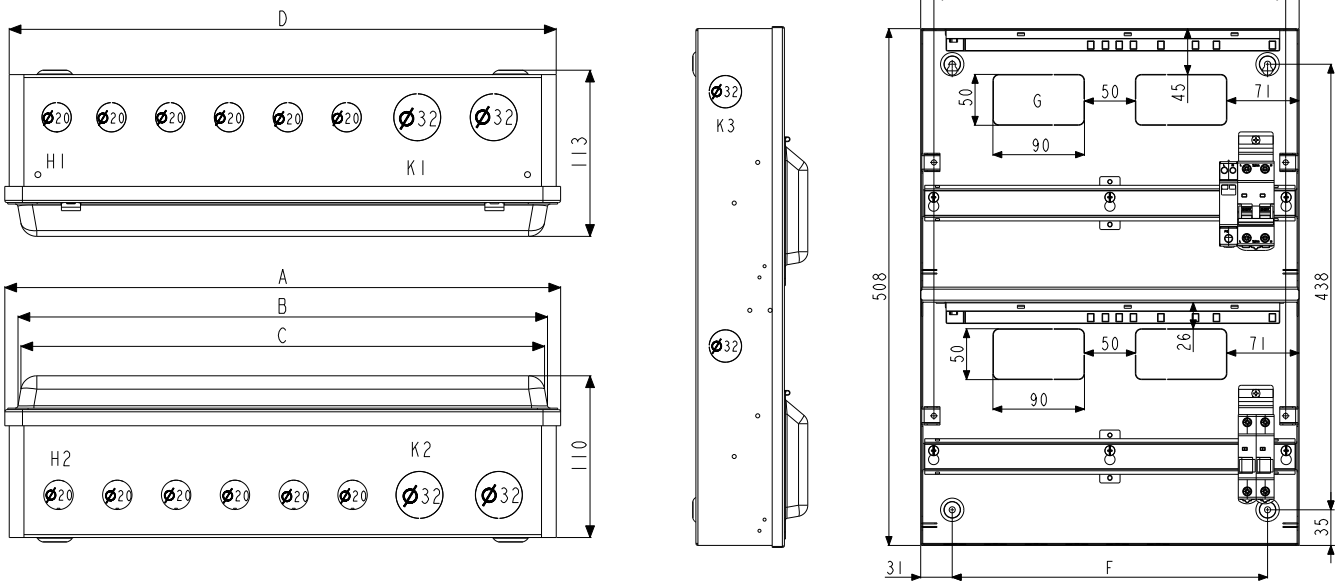
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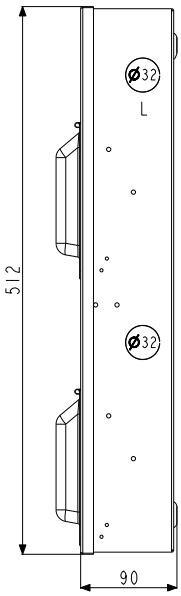
Dimensions | Metal Clad Consumer Unit

6P, 10P, 14P, 18P, 24P, 28P & 36P



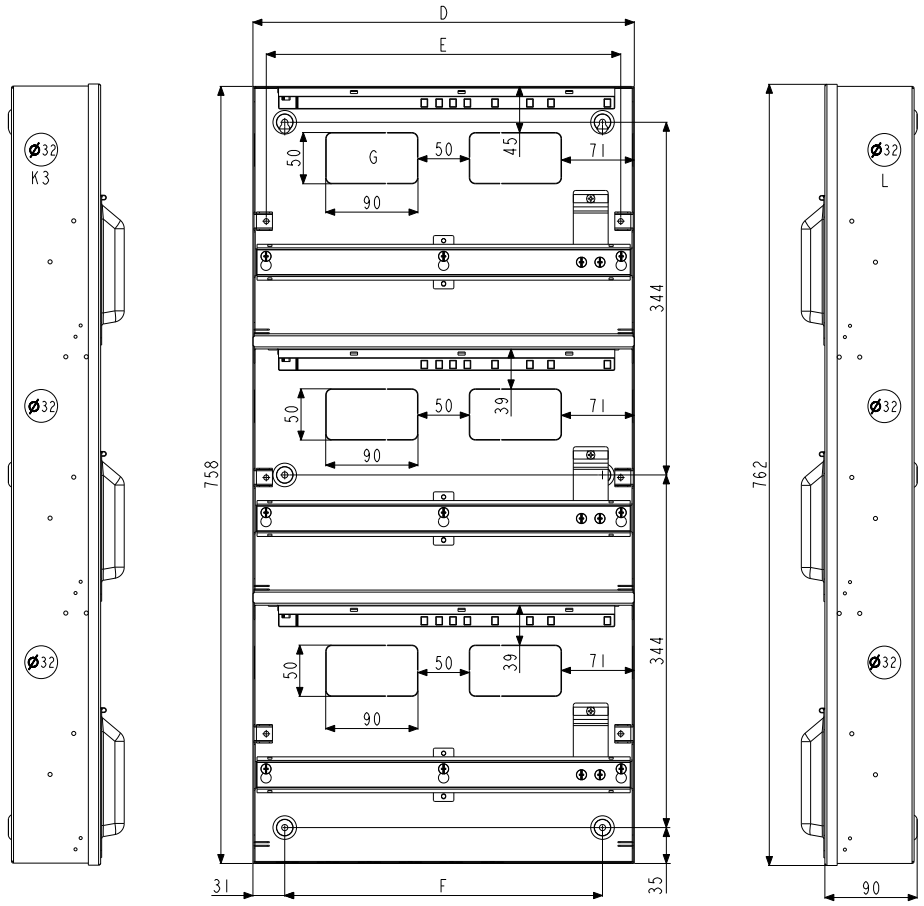


	6P	10P	14P	18P	24P	28P	36P
A	162	234	306	378	486	306	378
B	144	216	288	360	468	288	359
C	140	212	284	356	464	284	356
D	156	228	300	372	480	300	372
E	130	202	274	346	454	274	346
F	94	166	238	310	418	238	310
G	1	2	2	2	3	4	4
H1	1	2	4	6	8	4	6
K1	1	2	2	2	2	2	2
H2	1	2	4	6	8	4	6
K2	1	2	2	2	2	2	2
K3	1	1	1	1	1	2	2
L	1	1	1	1	1	2	2

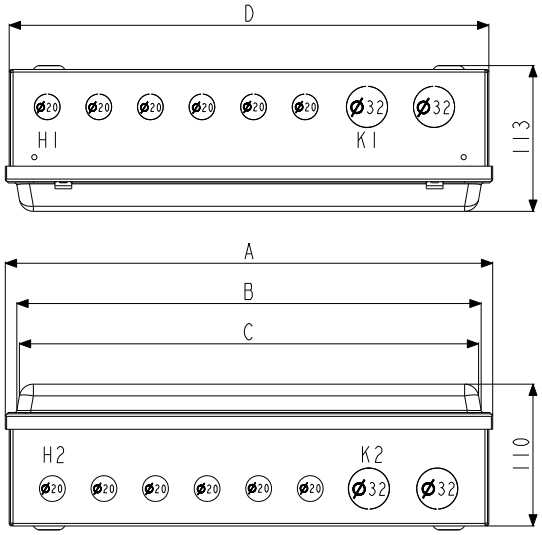


Dimensions | Metal Clad Consumer Unit

54P



	54P
A	378
B	359
C	356
D	372
E	310
F	344
G	344
H	346
I	250
J	250
K	71
L	50
J1	7
L1	1
J2	6
L2	2
J3	3
L3	3



Single Phase Consumer Units



This is what we're famous for – consumer units designed for electricians.

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