

FuseBox®

Making Electricians Smile!

Single Phase Circuit Protection Solutions



Consumer
Units



Surge
Protection



RCBOs



AFDDs



RCDs



MCBs





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.



Circuit Protection

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

F3 Design 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
- BS EN61439-3



F3 SERIES

Surge Protection Consumer Units

BS 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

F3 SERIES

Surge Protection Consumer Units

BS 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

F3 Consumer Units

BS EN 61439-3

* Example's shown F3004M & F3016M



Main Switch Incomer (100A)

Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F3004M	4 WAY (100A Main Switch)	Yes	6P
F3008M	8 WAY (100A Main Switch)	Yes	10P
F3012M	12 WAY (100A Main Switch)	Yes	14P
F3016M	16 WAY (100A Main Switch)	Yes	18P
F3022M	22 WAY (100A Main Switch)	Yes	24P

Main Switch Incomer (100A) (Double Bank)

Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F3024M	24 WAY (12/12) (100A Main Switch)	Yes	28P
F3032M	32 WAY (16/16) (100A Main Switch)	Yes	36P

Main Switch Incomer (100A) (Triple Bank)

Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F3048M	48 WAY (16/16/16) (100A Main Switch)	Yes	54P

Dual RCD

Dual RCD with T2 Surge



Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F2010DXA	10 WAY SPD T2 (2x 80A 30mA RCD's TYPE A)	Yes	18P
F2010DX100	10 WAY SPD T2 (2x 100A 30mA RCD's TYPE A)	Yes	18P
F2016DX100	16 WAY SPD T2 (2x 100A 30mA RCD's TYPE A)	Yes	24P

Dual RCD

Part No.	Usable Ways	Tail Clamp Compatible	Dimensions
F2011DA	11 WAY (2x 80A 30mA RCD's TYPE A)	Yes	18P
F2017DA	17 WAY (2x 80A 30mA RCD's TYPE A)	Yes	24P

Populated

Part No.	Usable Ways	MCB's	Tail Clamp Compatible	Dimensions
F210PMXA	10 WAY (6x MCB's) SPD T2 (2x 80A 30mA RCD's Type A)	6A x2, 16A x1, 32A x3	Yes	18P

RCD (Type A)

Part No.	Usable Ways	Tail Clamp	Dimensions
F3004RA	4 WAY (63A 30mA RCD TYPE A)	Yes	6P
F3008RA	8 WAY (80A 30mA RCD TYPE A)	Yes	10P

RCD (Type B)

Part No.	Usable Ways	Tail Clamp	Dimensions
F3004RB	4 WAY (63A 30mA RCD TYPE B)	Yes	6P
F3008RB	8 WAY (63A 30mA RCD TYPE B)	Yes	10P



Dual Tariff

BS EN 61439-3



Dual Tariff

Part No.	Usable Ways	Tail Clamp	Dimensions
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F3014DT	14 WAY (7/7) 2x 100A Main Switch	No	18P
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Dual Tariff (Double Bank)

Part No.	Usable Ways	Tail Clamp	Dimensions
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F3024MDT	24 WAY (12/12) 2x 100A Main Switch	Yes	28P
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F3032MDT	32 WAY (16/16) 2x 100A Main Switch	Yes	36P
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F3032MDT 2x MAIN SWITCH 32 WAY 16/16

Flush Mounting Frames

Part No.	Description	Module
AFMF10	FLUSH FIT FRAME	10 P
AFMF14	FLUSH FIT FRAME	14 P
AFMF18	FLUSH FIT FRAME	18 P
AFMF24	FLUSH FIT FRAME	24 P
AFMF28	FLUSH FIT FRAME	28 P
AFMF36	FLUSH FIT FRAME	36 P



Surface Spacers

Part No.	Description	Module
AFSS10	10P SURFACE SPACER (METAL) 30mm	10 P
AFSS14	14P SURFACE SPACER (METAL) 30mm	14 P
AFSS18	18P SURFACE SPACER (METAL) 30mm	18 P
AFSS24	24P SURFACE SPACER (METAL) 30mm	24 P
AFSS28	28P SURFACE SPACER (METAL) 30mm	28 P
AFSS36	36P SURFACE SPACER (METAL) 30mm	36 P



Metal Enclosures

Part No.	Description
F3004E	4 MOD ENCLOSURE (EARTH & NEUTRAL TERMINAL BARS)
F3054E	54 MODULE ENCLOSURE 3 BANK (E+N TERMINALS)



Surge Protection

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



Surge Protection (Retro Fit) Enclosed

Part No.	Description
F2MSPD1	IN LINE T1 SPD & 100A MAIN SWITCH IN A METAL ENCLOSURE
F3M2SPDZ	IN LINE T2 SPD & 100A MAIN SWITCH IN A METAL ENCLOSURE 6P



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



EV Charger Distribution



EV Charger Distribution With T2 SPD

Part No.	Description	Dimensions
EV32ABDZ	100A M/S 32A (30mA 1P+N (SW) BD RCBO TYPE A + SPD T2)	6P
EV40ABDZ	100A M/S 40A (30mA 1P+N (SW) BD RCBO TYPE A + SPD T2)	6P

EV Charger Distribution (Type B)

Part No.	Description	Dimensions
EV32B	63A (30mA TYPE B RCD + 32A MCB)	6P
EV40B	63A (30mA TYPE B RCD + 40A MCB)	6P

Garage Unit (Type A)

Part No.	Description
F300GRA	63A 30mA RCD + 6A & 16A MCB's TYPE A
F300GRAZ	63A 30mA RCD + 6A & 16A MCBs TYPE A + SPD T2

Meter Isolator Switch (2 POLE)

Part No.	Description
E2PMSH	2 POLE 100A MAIN SWITCH
E2	2MODULE SPLIT LID ENCLOSURE (36mm) IP20

Meter Isolator Switch (4 POLE)

Part No.	Description
E4PMSH	4 POLE 100A MAIN SWITCH
E4T2SPD	2 POLE 100A MAIN SWITCH T2 SPD
E4	4MODULE SPLIT LID ENCLOSURE (72mm) IP20



IP 65

Aluminium 6 Module Enclosure



Empty Enclosures

Part No.	Description
A65E06MGY	IP65 GREY ENC 6MOD: BUSBAR, N CABLE AND ACC PACK
A65E06MWH	IP65 WHITE ENC 6MOD: BUSBAR, N CABLE AND ACC PACK

EV Distribution (Main Switch)

Part No.	Description
AEV32AXBDBGY	IP65 100A MS 32A MINI RCBO BD T2 SPD GREY

Garage Unit

Part No.	Description
A65GRAGY	63A 30MA RCD 6A/16A MCBS GREY BD
A65GRAXGY	63A 30MA RCD 6A/16A MCBS T2 SPD GREY BD
A65GRAWH	63A 30MA RCD 6A/16A MCBS WHITE BD
A65GRAXWH	63A 30MA RCD 6A/16A MCBS T2 SPD WHITE BD

Changeover Switch

Part No.	Description
SCO125	125A CHANGE OVER SWITCH 1P + N IN METAL ENCLOSURE
SCO125SWB	125A CHANGE OVER SWITCH AND BUSBAR (DIN RAIL MOUNTING)



RCD 2P

BS 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
RTA1001002	Type A 100A 100mA 2P RCD



* 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
RTF800302	TYPE F RCD 80A 30MA 2P
RTF1000302	TYPE F RCD 100A 30MA 2P



MCB 6kA 1P

BS 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
MT06C451	45A C CURVE MCB 6kA 1P
MT06C501	50A C CURVE MCB 6kA 1P
MT06C631	63A C CURVE MCB 6kA 1P



* Examples shown MT06B501 & MT06C321

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) BS EN 61009-1



* Examples shown RTAMB06BD

Part No.	Description
RTA060630B	6A B RCBO 30mA 6kA TYPE A
RTA061030B	10A B RCBO 30mA 6kA TYPE A
RTA061630B	16A B RCBO 30mA 6kA TYPE A
RTA062030B	20A B RCBO 30mA 6kA TYPE A
RTA062530B	25A B RCBO 30mA 6kA TYPE A
RTA063230B	32A B RCBO 30mA 6kA TYPE A
RTA064030B	40A B RCBO 30mA 6kA TYPE A
RTA064530B	45A B RCBO 30mA 6kA TYPE A
RTA065030B	50A B RCBO 30mA 6kA TYPE A

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



100A 5 Pole Connector Block

Part No.	Description
TB5BR	100A 5 Pole Connector Block, Brown
TB5BK	100A 5 Pole Connector Block, Black
TB5BL	100A 5 Pole Connector Block, Blue
TB5GN	100A 5 Pole Connector Block, Green
TB5GR	100A 5 Pole Connector Block, Grey
TB5PK	100A 5 Pole Connector Block, Pink



Accessories

Busbars

Part No.	Description
BB1001P	100A 1P BUSBAR INSULATED 1M
BB1003P	100A 3P BUSBAR INSULATED 1M
BB07M	BUSBAR FOR F3008M/F3007MZ
BB11M	BUSBAR FOR F3012M/F3011MZ
BB15M	BUSBAR FOR F3016M/F3015MZ
BB21M	BUSBAR FOR F3022M/F3021MZ



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
AMBM	MODULE BLANKS METAL (6PCS)	6
AMBP	MODULE BLANKS ABS (12 PCS)	12



Lock Off

Part No.	Description
AFBL	LOCK ONLY. NO PADLOCK.
FBLOK	LOCK OFF KIT INC. PADLOCK (MCB, MAIN SWITCH & RCBO)



Glands

Part No.	Description
AGSW	GROMMET STRIP (5M)
APIMG	PUSH IN MEMBRANE GROMMET (QTY 12 MIXED)
AREG	REAR ENTRY GLAND (QTY 5)
G32T	32mm TAIL GLAND FOR 25mm ² LIVE & NEUTRAL, AND 16mm ² EARTH (QTY 1)
G50T	IP68 50MM TAIL GLAND (1 PC)



Main Switch / Isolator

Part No.	Description	Module
IT1002	100A 2 POLE ISOLATOR	2
IT1252	125A 2 POLE ISOLATOR	2
IT1001U	100A 1 POLE TERMINAL	1
IT1002U	100A 2 POLE TERMINAL	2



kWH Meter (MID Approved)

Part No.	Description	Module
KWH1M45	kWH METER 45A 230V	1
KWH1M100	100A DIRECT CONNECTED 1P KWH METER MID APPROVED	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)
SF0100T2	100A FUSED SWITCH + T2 SPD (inc. 63A, 80A, 100A gG Fuses)
FMS080	80A FUSED SWITCH (inc. cable shroud and ME080A Fuse)



Installation Contactors

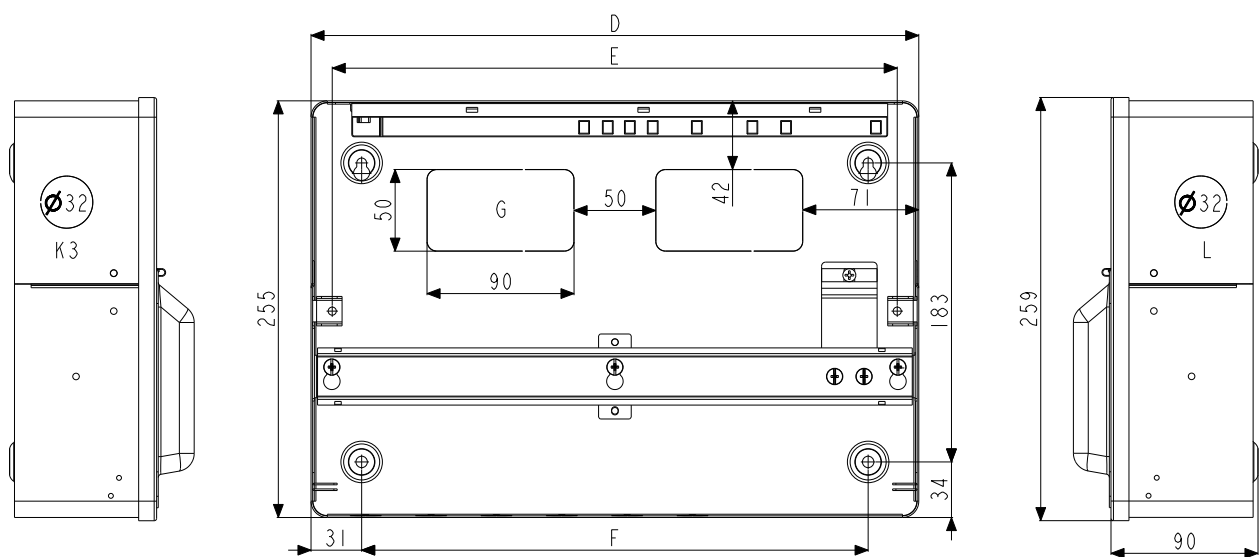
Supplied With 2x9mm Heat Dissipation Spacers (+1)



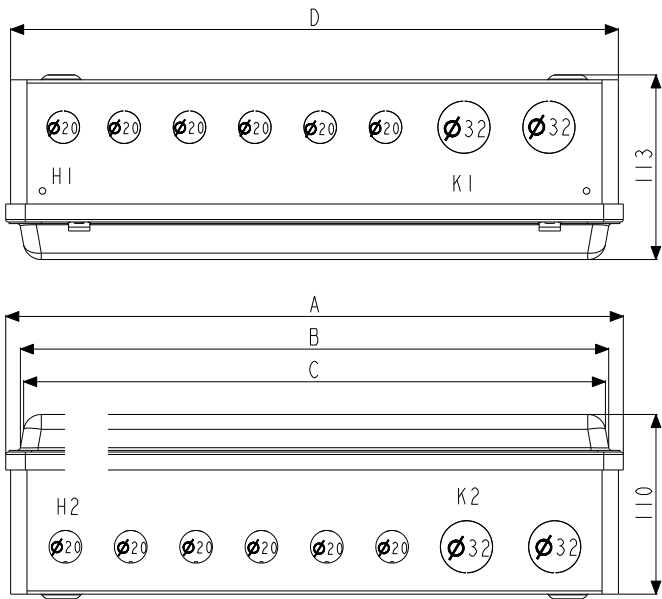
Part No.	Description	Module
INC202	20A 2P N/O 230V	1 (+1)
INC254	25A 4P N/O 230V	2 (+1)
INC402	40A 2P N/O 230V	2 (+1)
INC404	40A 4P N/O 230V	2 (+1)
INC632	63A 2P N/O 230V	2 (+1)
INC634	63A 4P N/O 230V	3 (+1)

Dimensions

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

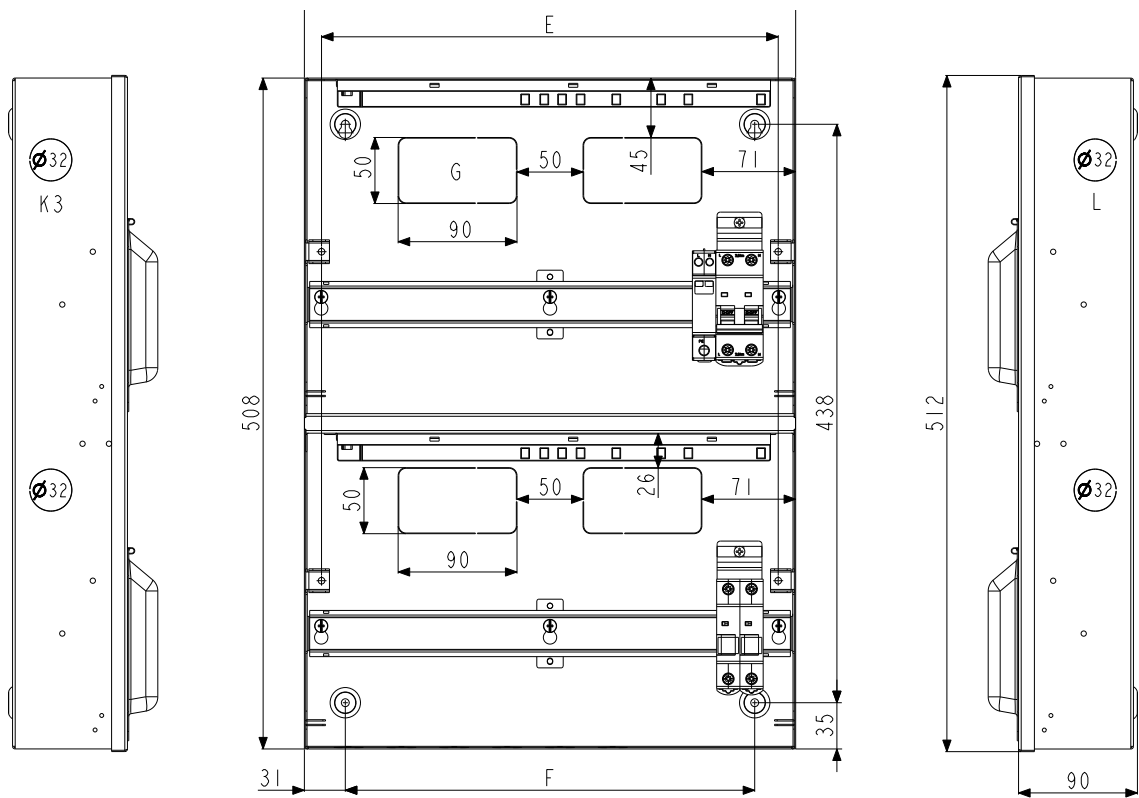


	6P	10P	14P	18P	24P
A	162	234	306	378	486
B	144	216	288	360	468
C	140	212	284	356	464
D	156	228	300	372	480
E	130	202	274	346	454
F	94	166	238	310	418
G	1	2	2	2	3
H1	1	2	4	6	8
K1	1	2	2	2	2
H2	1	2	4	6	8
K2	1	2	2	2	2
K3	1	1	1	1	1
L	1	1	1	1	1

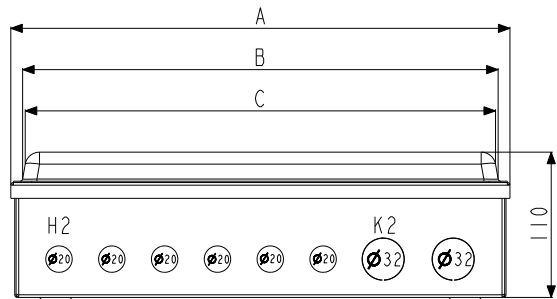
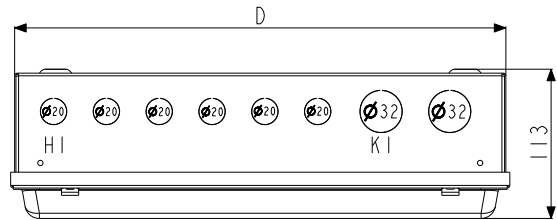


Dimensions

28P & 36P

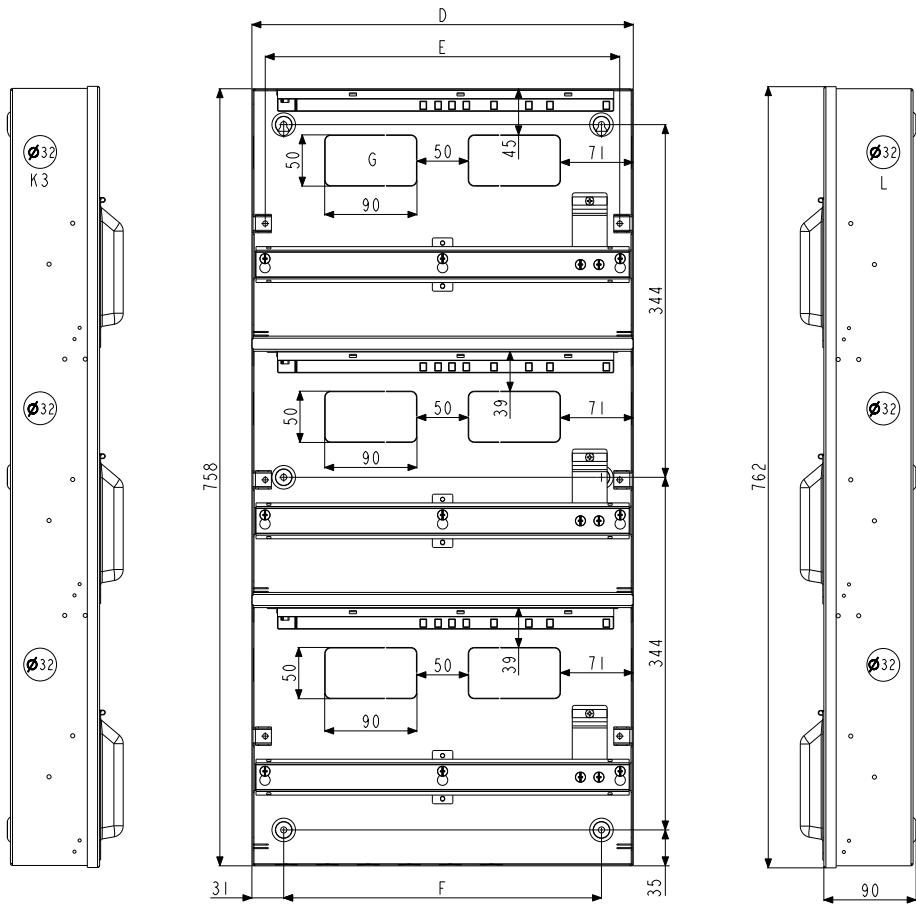


	28P	36P
A	306	378
B	288	359
C	284	356
D	300	372
E	274	346
F	238	310
G	4	4
H1	4	6
K1	2	2
H2	4	6
K2	2	2
K3	2	2
L	2	2

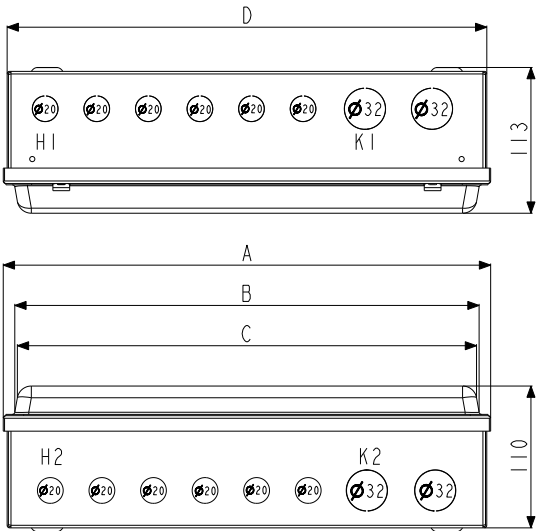


Dimensions

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



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Circuit Protection Solutions

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