

[®]
FuseBox[®]

FB02

CIRCUIT PROTECTION



FuseBox®

THE RANGE

The range comprises of 6, 10, 14, 18, 22, 28 and 36 module enclosures in different variations suitable for the majority of applications and installations.

THESE INCLUDE:

Main switch incomer, RCD incomer, Dual RCD, Populated MCB & RCBO & garage unit.

CERTIFICATES



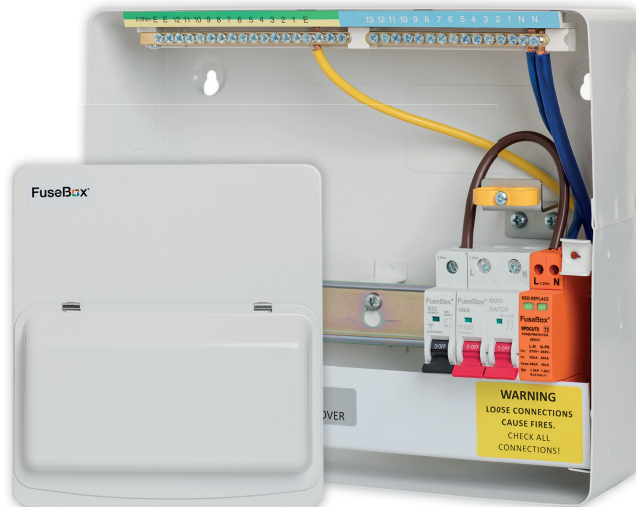
FuseBox®

CIRCUIT PROTECTION

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

DESIGN FEATURES

- ✓ T2 surge protection
- ✓ Earth and neutral terminal bars at the top
- ✓ Removable and raised DIN rail
- ✓ Round knock-outs on all faces
- ✓ Extra height for RCBOs
- ✓ 1mm electro-galvanised steel (zinc)
- ✓ RAL 9001 powder-coated finish
- ✓ Tail clamp (ACCF)
- ✓ Circuit identification labels
- ✓ Captive screws on front cover
- ✓ IP20XC
- ✓ BS EN61439-3



T2 SURGE PROTECTION CONSUMER UNITS BS EN 61439-3

MAIN SWITCH INCOMER (100A)

PART NO.	USABLE WAYS	TAIL CLAMP COMPATIBLE	DIMENSIONS
F2006MX	6 WAY (100A main switch) SPD T2	Included	10P
F2010MX	10 WAY (100A main switch) SPD T2	Included	14P
F2014MX	14 WAY (100A main switch) SPD T2	Included	18P
F2020MX	20 WAY (100A main switch) SPD T2	Included	24P
F2021MX	21 WAY (10/11) (100A main switch) SPD T2	Yes	28P
F2029MX	29 WAY (14/15) (100A main switch) SPD T2	Yes	36P

DUAL RCD

PART NO.	USABLE WAYS	TAIL CLAMP COMPATIBLE	DIMENSIONS
F2006DX	6 WAY SPD T2 (2x 80A 30mA RCDs AC)	Yes	14P
F2010DX	10 WAY SPD T2 (2x 80A 30mA RCDs AC)	Yes	18P
F2016DX	16 WAY SPD T2 (2x 80A 30mA RCDs AC)	Yes	24P

DUAL RCD – 100A 30MA TYPE A

PART NO.	USABLE WAYS	TAIL CLAMP COMPATIBLE	DIMENSIONS
F2010DX100	10 WAY SPD T2 (2x 100A 30mA TYPE A RCDs TYPE A)	Yes	14P
F2016DX100	16 WAY SPD T2 (2x 100A 30mA RCDs TYPE A)	Yes	24P
F2027DX100	27 WAY SPD T2 DOUBLE BANK (2x 100A 30mA RCDs TYPE A)	Yes	36P

DUAL RCD – POPULATED

PART NO.	USABLE WAYS	MCBS	TAIL CLAMP COMPATIBLE	DIMENSIONS
F210PMX	10 WAY (6x MCBS) SPD T2 (2x 80A 30mA RCDs AC)	6A x2, 16A x1, 32A x3	Yes	18P

FuseBox®

SURGE PROTECTION CONSUMER UNITS

T2 Surge Protection consumer units provide protection against transient overvoltages and the secondary effects of lightning strikes.



F2006MX



F2010MX



F2014MX



F2010DX

Where stated, Ia T2 SPD and tail clamp can be retro-fitted.



F2007M



F2011M



F2007D80



F2020MDT

CONSUMER UNITS BS EN 61439-3

MAIN SWITCH INCOMER (100A)

PART NO.	USABLE WAYS	TAIL CLAMP COMPATIBLE	DIMENSIONS
F2004M	4 WAY (100A main switch)	No	6P
F2007M	7 WAY (100A main switch)	Yes	10P
F2011M	11 WAY (100A main switch)	Yes	14P
F2015M	15 WAY (100A main switch)	Yes	18P
F2021M	21 WAY (100A main switch)	Yes	24P
F2022M	22 WAY (11/11 DOUBLE BANK) (100A main switch)	Yes	28P
F2030M	30 WAY (15/15 DOUBLE BANK) (100A main switch)	Yes	36P

RCD INCOMER

PART NO.	USABLE WAYS	TAIL CLAMP COMPATIBLE	DIMENSIONS
F2004R	4 WAY (63A 30mA)	No	6P
F2007R	7 WAY (80A 30mA)	Yes	10P

DUAL RCD (HIGH INTEGRITY)

PART NO.	USABLE WAYS	SPD/TAIL CLAMP COMPATIBLE	DIMENSIONS
F2007D80	7 WAY (2x 80A 30mA RCDs AC)	Yes	14P
F2011D80	11 WAY (2x 80A 30mA RCDs AC)	Yes	18P
F2017D80	17 WAY (2x 80A 30mA RCDs AC)	Yes	24P

DUAL TARIFF

PART NO.	DESCRIPTION	DIMENSIONS
F2020MDT	20 Way (10/10 DOUBLE BANK) 2x 100A Main Switch	28P
F2030MDT	30 Way (15/15 DOUBLE BANK) 2x 100A Main Switch	36P

EV CHARGER UNIT (TWO POLE)

PART NO.	DESCRIPTION
EV32A	100A M/S 32A (30mA 2P RCBO TYPE A)
EV32AX	100A M/S 32A (30mA 2P RCBO TYPE A + SPD T2)
EV40A	100A M/S 40A (30mA 2P RCBO TYPE A)
EV40AX	100A M/S 40A (30mA 2P RCBO TYPE A + SPD T2)

GARAGE UNIT

PART NO.	DESCRIPTION
F100GR	63A 30mA RCD + 6A & 16A MCBs

METAL ENCLOSURE

PART NO.	DESCRIPTION
F1004E	4 MOD ENCLOSURE Earth & neutral terminal bars

SPD T2 (SURGE PROTECTION DEVICE)

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

PART NO.	DESCRIPTION
F1M2SPD	IN LINE T2 SPD & 100A main switch in a metal enclosure
SPDCUKITT2	T2 SPD (1 MODULE) Surge Protection Device with 32A MCB and Cables

RCD 2P (TYPE AC AND TYPE A) BS EN 61008-1

TYPE	30mA-AC 	30mA-A 	100mA-AC & A 
25	RT0250302		
40	RT0400302		
63	RT0630302	RTA630302	
80	RT0800302	RTA800302	
80			RT0801002
100		RTA100302	RTA1001002S

TRIPPING CHARACTERISTICS

B CURVE: 3-5In

C CURVE: 5-10In

Short Circuit Capacity: 6kA

Mounting: 35mm DIN rail

 Type AC

General purpose RCD for use on AC only

 Type A

RCD used to detect AC and pulsating DC components

 S Type

Time delayed version



F1004E



F100GR



SPDCUKITT2



F1M2SPD



RTA630302



RTA800302

FuseBox®



MT06B061 MT06C061



CPL



RT060630B RT061630C

MINI RCBO (2-POLE)

- ✓ 2-Pole (Switched Line & Neutral)
- ✓ Type A
- ✓ Up to 40A
- ✓ B and C Curve
- ✓ Compact in Size
- ✓ 6kA



MCB 6KA 1P BS EN 60898-1

CURRENT	B CURVE	C CURVE
6	MT06B061	MT06C061
10	MT06B101	
16	MT06B161	MT06C161
20	MT06B201	MT06C201
25	MT06B251	
32	MT06B321	MT06C321
40	MT06B401	
50	MT06B501	
63	MT06B631	

LOCK OFF KIT

PART NO.	DESCRIPTION
CPL	LOCK OFF DEVICE inc Padlock (MCB, Main Switch & RCBO)

RCBO 6KA (TYPE AC AND TYPE A) BS EN 61009-1

CURRENT	B CURVE – AC 	C CURVE – AC 	B CURVE – A 
6	RT060630B	RT060630C	RTA060630B
10	RT061030B	RT061030C	RTA061030B
16	RT061630B	RT061630C	RTA061630B
20	RT062030B	RT062030C	RTA062030B
25	RT062530B		
32	RT063230B	RT063230C	RTA063230B
40	RT064030B		RTA064030B
50	RT065030B		RTA065030B

RCBO 2P 6KA (TYPE A) BS EN 61009-1

CURRENT	B CURVE 	C CURVE 
6	RTAMB06	RTAMC06
10	RTAMB10	RTAMC10
16	RTAMB16	RTAMC16
20	RTAMB20	RTAMC20
32	RTAMB32	RTAMC32
40	RTAMB40	RTAMC40

ACCESSORIES

TAIL CLAMP

PART NO.	DESCRIPTION
ACCF	TAIL CLAMP FOR LIVE AND NEUTRAL UP TO 25mm ² (To fit FuseBox consumer units on pages 3 and 4)



ACCF

TAIL GLAND (IP68)

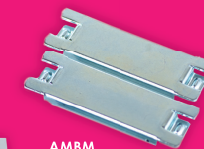
PART NO.	DESCRIPTION
G32T	32mm TAIL GLAND for 25mm ² Live & Neutral and 16mm ² Earth. (QTY: 1)



G32T

MODULE BLANKS

PART NO.	DESCRIPTION	MODULE
ADRB	MODULE BLANK DIN RAIL MOUNTING (1pc)	1
AMBM	MODULE BLANKS METAL (6pcs)	6
AMBP	MODULE BLANKS ABS (6x2) 12	12



AMBM



ADRB



AMBP

ISOLATOR / MAIN SWITCH

PART NO.	DESCRIPTION	MODULE
IT1002	100A 2-POLE ISOLATOR	2



IT1002

100A CONNECTOR

PART NO.	DESCRIPTION	MODULE
IT1002U	100A 2-POLE CONNECTOR	2



IT1002U



SF0100



FMS080



SCO125SWB



CGEMST



CGSSST

FUSED SWITCH

Supplied with European fuses & fuse holder

PART NO.	DESCRIPTION
SF0100	100A FUSED SWITCH (inc. 63A, 80A, 100A gG fuses)
DIMENSIONS (HxWxD)	260 x 156 x 94 (mm)
VOLTAGE	230V 50Hz
MAXIMUM LOAD	100A/AC21
FUSE SIZE/TYPE	22 x 58mm (Cylinder), gG (General Purpose)
IP RATING	IP20
KNOCKOUTS	Round knockouts top and bottom 25/32mm
FINISH	Smooth white epoxy powder finish to RAL9003
TAIL CLAMP	Yes (Maximum 25mm2)
FUSES	63A, 80A, 100A
SF0100RA	100A 100mA Time delayed RCD Type A + Fuse Holder (inc. 63A, 80A, 100A gG Fuses)
FMS080	80A FUSED SWITCH (inc. cable shroud and ME080A Fuse)

CHANGEOVER SWITCH

PART NO.	DESCRIPTION
SCO125	125A Changeover Switch 1P + N in metal enclosure
SCO125SWB	125A Changeover Switch and Busbar (DIN rail mounting)

CONTROL STATIONS IP55

PART NO.	DESCRIPTION
CGEMST	EMERGENCY STOP STATION TWIST TO RESET (N/C AUX)
CGSSST	START STOP STATION (N/O + N/C AUX)

TIME CLOCK

PART NO.	DESCRIPTION	MODULE
TD1	Digital Time Clock 7 Day 1CH 150HR RESERVE	2
DISPLAY	LCD	
VOLTAGE	220-240V 50/60Hz	
MAXIMUM LOAD	16A/250V AC Resistive, 4A/250V AC Inductive	
TERMINAL CAPACITY	4mm2	
FUNCTIONS	On/Off, Pulse, Countdown	
IP RATING	20	

BELL TRANSFORMER

PART NO.	DESCRIPTION	MODULE
ABTR	Bell Transformer 8V 1A	2
VOLTAGE	230V 50Hz	
MAXIMUM LOAD	8V/1A, 12V/0.67A, 24V/0.33A AC Resistive, 4A/250V AC Inductive	
TERMINAL CAPACITY	4mm2/1.5Nm	

INSTALLATION CONTACTORS

SUPPLIED WITH 2 x 9mm HEAT DISSIPATION SPACERS (+1)

PART NO.	DESCRIPTION	MODULE 18MM
INC202	20A 2P N/O 230V	1 (+1)
INC254	25A 4P N/O 230V	2 (+1)
INC402	40A 2P N/O 230V	2 (+1)
INC634	63A 4P N/O 230V	3 (+1)

PART NO.	INC202	INC402	INC254	INC634
No. of Poles (N/O)	2	2	4	4
AC-7a (A)	20	40	25	63
AC-7b (A)	6.4	15	8.5	20
Ith (Thermal) (A)	20	40	25	63
Holding VA	2.7	4.6	4.6	6.5
Inrush VA	9.2	34	34	53
Dissipated W	1.2	1.6	1.6	2.1
Torque (Control Circuit)	0.8Nm	0.8Nm	0.8Nm	0.8Nm
Torque (Power Circuit)	0.8Nm	3.5Nm	0.8Nm	3.5Nm
Max Cable Capacity	4mm ²	16mm ²	4mm ²	16mm ²
Module Width	18mm	36mm	36mm	54mm



TD1



ABTR



INC202



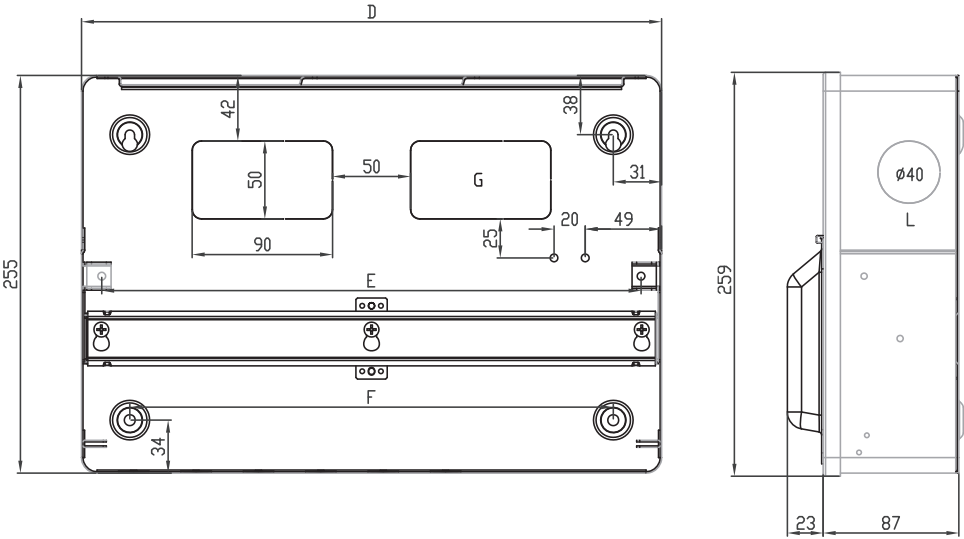
INC254



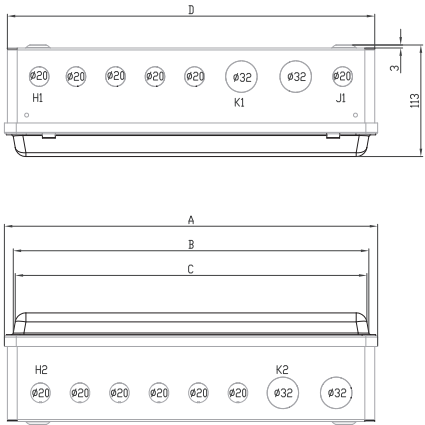
INC402

DIMENSIONS

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

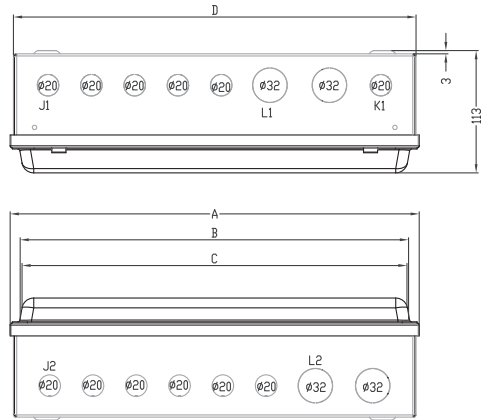
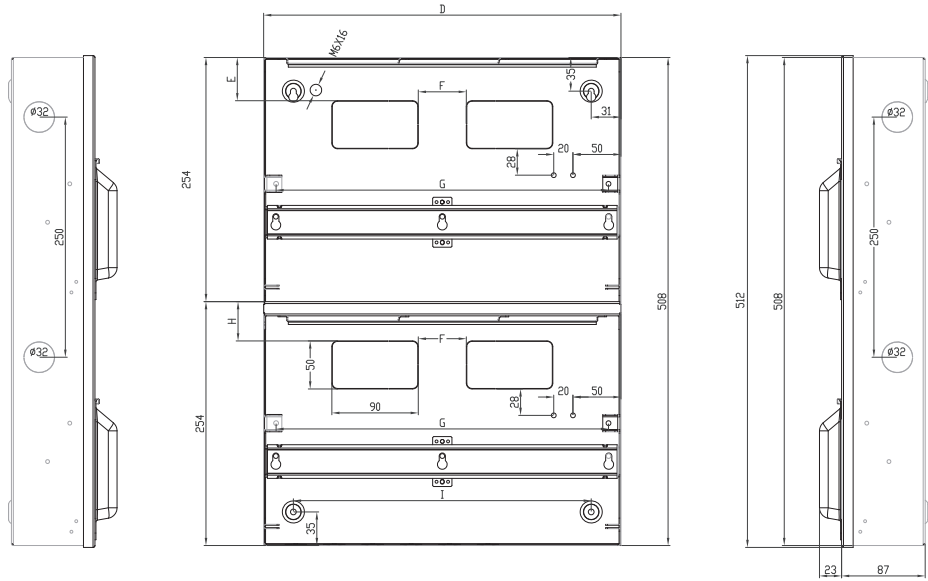


	6P	10P	14P	18P	24P
A	162	234	306	378	486
B	144	216	288	360	468
C	140	212	284	356	464
D	156	228	300	372	480
E	130	202	274	346	454
F	94	166	238	310	418
G	1	2	2	2	3
H1	1	1	3	5	7
H2	1	2	4	6	8
J1	0	1	1	1	1
K1	1	2	2	2	2
K2	1	2	2	2	2
K3	1	1	1	1	1
L	1	1	1	1	1



DIMENSIONS

28P & 36P



	28P	36P
A	306	378
B	288	359
C	284	356
D	300	372
E	45	45
F	15	50
G	274	346
H	41	41
I	238	310
J1	3	5
L1	2	2
K1	1	1
J2	4	6
L2	2	2

FuseBox®

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CIRCUIT PROTECTION

Photography is for illustrative purposes only and the product you receive may differ slightly due to continued product development.

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Listed in  **LUCKINS™**



FuseBox®

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