

# Protecta - Type B Distribution Boards

## TP & N Distribution Boards



### General Description

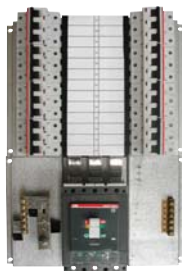
- Constructed to BS EN60439 part 1 & 3
- Enclosure finished in RAL7035
- Busbar rated 250A
- Voltage rating at 230/400v 50Hz
- Integral door latch with key
- Security Lock is also available (please ask)
- Incoming devices up to 250A mounted in the board
- IP Ingress protection IP41BSEN60529
- 4 - 24 TP&N ways
- Fault level 35kA
- Earth and neutral terminals included
- Reversible door



EPB25-312C

### TP&N Distribution Boards

Outgoing Ways	Dimensions			Part No	Order Code
	H	W	D		
4 way TP&N	502	400	125	EPB25-304C	1SKP804142C0059
6 way TP&N	560	400	125	EPB25-306C	1SKP806142C0059
8 way TP&N	610	400	125	EPB25-308C	1SKP808142C0059
12 way TP&N	718	400	125	EPB25-312C	1SKP812142C0059
16 way TP&N	830	400	125	EPB25-316C	1SKP816142C0059
20 way TP&N	1001	400	125	EPB25-320C	1SKP820142C0059
24 way TP&N	1140	400	125	EPB25-324C	1SKP824142C0059



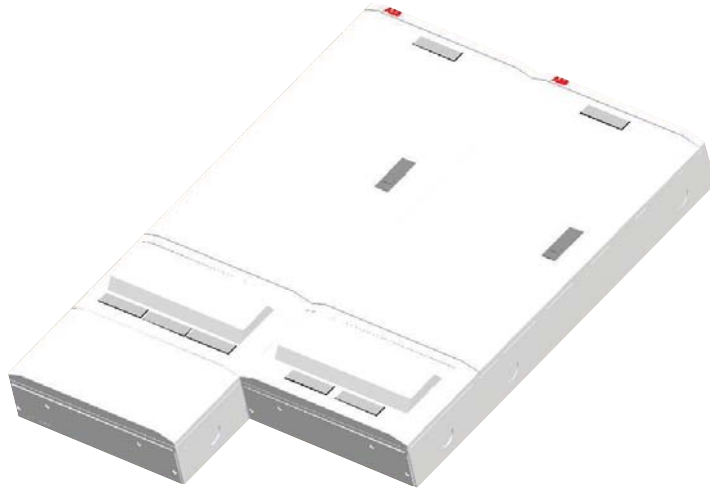
EPB25-PA308C

### TP&N Pan Assemblies (for panel mounting)

Outgoing Ways	Dimensions			Part No	Order Code
	H	W	D		
4 way TP&N	375	270	60	EPB25-PA304C	1SKP804100C0051
6 way TP&N	429	270	60	EPB25-PA306C	1SKP806100C0051
8 way TP&N	483	270	60	EPB25-PA308C	1SKP808100C0051
12 way TP&N	591	270	60	EPB25-PA312C	1SKP812100C0051
16 way TP&N	699	270	60	EPB25-PA316C	1SKP816100C0051
20 way TP&N	874	270	60	EPB25-PA320C	1SKP820100C0051
24 way TP&N	1014	270	60	EPB25-PA324C	1SKP824100C0051

# Protecta - Type B Distribution Boards

## Split Load Type B - TP & N Distribution Boards



A range of three phase MCB distribution boards which allows the option of metering in each section. This makes these units suitable for individual monitoring of the power and lighting circuits within an installation.

### General Description

- Constructed to BS EN60439 part 1 & 3
- Enclosure finished in RAL7035
- Busbar rated 250A
- Voltage rating at 230/400v 50Hz
- Integral door latch with key
- Incoming devices 125A & 250A
- IP Ingress protection IP41 BSEN60529
- 4+4 - 24+24 TP&N ways
- Incoming devices are included
- Earth and neutral terminals included
- Reversible door
- Includes 2 meters DAB13000



EPB25-0808S125C

### Split Load Type B TP&N Distribution Boards

Outgoing Ways	Dimensions			Incomer	Order Code
	H	W	D		
4+4 way TP&N	902	800	125	125A	EPB25-0404S125C
4+4 way TP&N	902	800	125	125A	EPB25-0606S125C
4+4 way TP&N	902	800	125	125A	EPB25-0808S125C
4+4 way TP&N	902	800	125	125A	EPB25-1212S125C
4+4 way TP&N	902	800	125	125A	EPB25-1616S125C
4+4 way TP&N	902	800	125	125A	EPB25-2020S125C
4+4 way TP&N	902	800	125	125A	EPB25-2424S125C

4+4 way TP&N	902	800	125	250A	EPB25-0404S250C
6+6 way TP&N	960	800	125	250A	EPB25-0606S250C
8+6 way TP&N	1010	800	125	250A	EPB25-0808S250C
12+12 way TP&N	1118	800	125	250A	EPB25-1212S250C
16+16 way TP&N	1230	800	125	250A	EPB25-1616S250C
20+20 way TP&N	1401	800	125	250A	EPB25-2020S250C
24+24 way TP&N	1540	800	125	250A	EPB25-2424S250C

4+4 way TP&N

# Protecta

## Type B Distribution Boards



E203

### Incomer Options

Description	Rating (A)	(mA)	Part No	Order Code
Switch Disconnector (no kit required)	100A 3 pole		E203/100r	2CDE283001R0100
Switch Disconnector (no kit required)	125A 3 pole		E203/125r	2CDE283001R0125
Switch Disconnector MCCB•	250A 3 pole		1SDA051327R1	1SDA051327R1

• Require Kit EPBKIT1-T3C1



F204AC

RCCB (requires EPB Kit 2C)	63A 4 pole	30	F204AC-63/0.03	2CSF204001R1630
RCCB (requires EPB Kit 2C)	63A 4 pole	100	F204AC-63/0.1	2CSF204001R2630
RCCB (requires EPB Kit 2C)	63A 4 pole	300	F204AC-63/0.3	2CSF204001R3630
RCCB (requires EPB Kit 2C)	80A 4 pole	30	F204AC-80/0.03	2CSF204001R1800
RCCB (requires EPB Kit 2C)	100A 4 pole	30	F204AC-100/0.03	2CSF204001R1900
RCCB (requires EPB Kit 2C)	100A 4 pole	100	F204AC-100/0.1	2CSF204001R2900
RCCB time delayed (requires EPB Kit 2C)	100A 4 pole	300	F204AC-100/0.3	2CSF204001R3900



250A MCCB

Description	Rating (A)	Part No	Order Code
MCCB T3 - 36kA Require Kit EPBKIT1-T3C1	100A 3 pole	1SDA051243R1	1SDA051243R1
	125A 3 pole	1SDA051244R1	1SDA051244R1
	160A 3 pole	1SDA051245R1	1SDA051245R1
	200A 3 pole	1SDA051246R1	1SDA051246R1
	250A 3 pole	1SDA051247R1	1SDA051247R1

All the above require an EPBKIT1-T3C1

### Connection Kits

Description	Part No	Order Code
F200 RCD Connection kit	EPBKIT2C	1SKA142000C1001
Coupling kit side by side	EPBKIT5	1SKA145000C0001
Spare 100A TP Isolator kit	EBKIT8C	1SKA148000C1001
250A Single phase kit	EPBKIT6C1-25	1SKA146000C5001
Single phase connection kit	EPBKIT6C1	1SKA146000C3001
250A MCCB connection kit	EPBKIT1-T3C1	1SKA141000C3003
70mm Cable connection kit	EPBKIT4C1	1SKA144000C3001
120mm Cable connection kit	EPBKIT3C1	1SKA143000C3001
Label kit for 24 way EPB board	EPBKIT0-7	1SKA140000C1008
Blank spare flange plate	EPBGP1UK	1SKA130002C0001



# Protecta - Type B Distribution Boards

## Outgoing MCBs

### B



S201M

### S200M Series Type B - MCBs - BS EN 60898 10kA (BS EN60947-2 15kA<50A)

Suitable for cable protection and small inrush or switching surges, heating loads and tungsten lighting

#### Single Pole

Rating Amps	kA	Part No	Order Code
6	10kA	S201MB6	2CDS271001R0065
10	10kA	S201MB10	2CDS271001R0105
16	10kA	S201MB16	2CDS271001R0165
20	10kA	S201MB20	2CDS271001R0205
25	10kA	S201MB25	2CDS271001R0255
32	10kA	S201MB32	2CDS271001R0325
40	10kA	S201MB40	2CDS271001R0405
50	10kA	S201MB50	2CDS271001R0505
63	10kA	S201MB63	2CDS271001R0635



S202M

#### Double Pole

6	10kA	S202MB6	2CDS272001R0065
10	10kA	S202MB10	2CDS272001R0105
13	10kA	S202MB13	2CDS272001R0135
16	10kA	S202MB16	2CDS272001R0165
20	10kA	S202MB20	2CDS272001R0205
25	10kA	S202MB25	2CDS272001R0255
32	10kA	S202MB32	2CDS272001R0325
40	10kA	S202MB40	2CDS272001R0405
50	10kA	S202MB50	2CDS272001R0505
63	10kA	S202MB63	2CDS272001R0635



S203M

#### Triple Pole

6	10kA	S203MB6	2CDS273001R0065
10	10kA	S203MB10	2CDS273001R0105
16	10kA	S203MB16	2CDS273001R0165
20	10kA	S203MB20	2CDS273001R0205
25	10kA	S203MB25	2CDS273001R0255
32	10kA	S203MB32	2CDS273001R0325
40	10kA	S203MB40	2CDS273001R0405
50	10kA	S203MB50	2CDS273001R0505
63	10kA	S203MB63	2CDS273001R0635

# Protecta - Type B Distribution Boards

## Outgoing MCBs

### S200M Series Type C - MCBs - BS EN 60898 10kA (BS EN60947-2 15kA<50A)

**C**

Suitable for cable protection and moderate switching surges for short duration. eg. discharge lamps.



S201M

#### Single Pole

Rating Amps	kA	Part No	Order Code
0.5	10kA	S201MC0.5	2CDS271001R0984
1	10kA	S201MC1	2CDS271001R0014
2	10kA	S201MC2	2CDS271001R0024
3	10kA	S201MC3	2CDS271001R0034
4	10kA	S201MC4	2CDS271001R0044
6	10kA	S201MC6	2CDS271001R0064
8	10kA	S201MC8	2CDS271001R0084
10	10kA	S201MC10	2CDS271001R0104
13	10kA	S201MC13	2CDS271001R0134
16	10kA	S201MC16	2CDS271001R0164
20	10kA	S201MC20	2CDS271001R0204
25	10kA	S201MC25	2CDS271001R0254
32	10kA	S201MC32	2CDS271001R0324
40	10kA	S201MC40	2CDS271001R0404
50	10kA	S201MC50	2CDS271001R0504
63	10kA	S201MC63	2CDS271001R0634



S202M

#### Double Pole

0.5	10kA	S202MC0.5	2CDS272001R0984
1	10kA	S202MC1	2CDS272001R0014
2	10kA	S202MC2	2CDS272001R0024
3	10kA	S202MC3	2CDS272001R0034
6	10kA	S202MC6	2CDS272001R0064
8	10kA	S202MC8	2CDS272001R0084
10	10kA	S202MC10	2CDS272001R0104
16	10kA	S202MC16	2CDS272001R0164
20	10kA	S202MC20	2CDS272001R0204
25	10kA	S202MC25	2CDS272001R0254
32	10kA	S202MC32	2CDS272001R0324
40	10kA	S202MC40	2CDS272001R0404
50	10kA	S202MC50	2CDS272001R0504
63	10kA	S202MC63	2CDS272001R0634

# Protecta - Type B Distribution Boards

## Outgoing MCBs

C



S203M

### S200M Series Type C - MCBs - BS EN 60898 10kA (BS EN60947-2 15kA<50A)

Suitable for cable protection and moderate switching surges for short duration. eg. discharge lamps.

#### Triple Pole

Rating Amps	kA	Part No	Order Code
1	10kA	S203MC1	2CDS273001R0014
2	10kA	S203MC2	2CDS273001R0024
3	10kA	S203MC3	2CDS273001R0034
4	10kA	S203MC4	2CDS273001R0044
6	10kA	S203MC6	2CDS273001R0064
10	10kA	S203MC10	2CDS273001R0104
13	10kA	S203MC13	2CDS273001R0134
16	10kA	S203MC16	2CDS273001R0164
20	10kA	S203MC20	2CDS273001R0204
25	10kA	S203MC25	2CDS273001R0254
32	10kA	S203MC32	2CDS273001R0324
40	10kA	S203MC40	2CDS273001R0404
50	10kA	S203MC50	2CDS273001R0504
63	10kA	S203MC63	2CDS273001R0634

# Protecta - Type B Distribution Boards

## Outgoing MCBs

### D



S201M

### S200 Series Type D - MCBs - single pole - BS EN 60898 6kA

Suitable for cable protection and high inrush applications such as transformers

#### Single Pole

Rating Amps	kA	Part No	Order Code
1	6kA	S201D1	2CDS251001R0011
2	6kA	S201D2	2CDS251001R0021
3	6kA	S201D3	2CDS251001R0031
4	6kA	S201D4	2CDS251001R0041
6	6kA	S201D6	2CDS251001R0061
10	6kA	S201D10	2CDS251001R0101
16	6kA	S201D16	2CDS251001R0161
20	6kA	S201D20	2CDS251001R0201
25	6kA	S201D25	2CDS251001R0251
32	6kA	S201D32	2CDS251001R0321
40	6kA	S201D40	2CDS251001R0401
50	6kA	S201D50	2CDS251001R0501
63	6kA	S201D63	2CDS251001R0631



S202M

#### Double Pole

0.5	6kA	S202D0.5	2CDS252001R0157
1	6kA	S202D1	2CDS252001R0011
2	6kA	S202D2	2CDS252001R0021
3	6kA	S202D3	2CDS252001R0031
4	6kA	S202D4	2CDS252001R0041
6	6kA	S202D6	2CDS252001R0061
10	6kA	S202D10	2CDS252001R0101
16	6kA	S202D16	2CDS252001R0161
20	6kA	S202D20	2CDS252001R0201
25	6kA	S202D25	2CDS252001R0251
32	6kA	S202D32	2CDS252001R0321
40	6kA	S202D40	2CDS252001R0401
50	6kA	S202D50	2CDS252001R0501
63	6kA	S202D63	2CDS252001R0631

# Protecta - Type B Distribution Boards

## Outgoing MCBs

### D



S203M

### S200 Series Type D - MCBs - single pole - BS EN 60898 6kA

Suitable for cable protection and high inrush applications such as transformers

#### Triple Pole

Rating Amps	kA	Part No	Order Code
1	6kA	S203D1	2CDS253001R0011
2	6kA	S203D2	2CDS253001R0021
3	6kA	S203D3	2CDS253001R0031
4	6kA	S203D4	2CDS253001R0041
6	6kA	S203D6	2CDS253001R0061
10	6kA	S203D10	2CDS253001R0101
16	6kA	S203D16	2CDS253001R0161
20	6kA	S203D20	2CDS253001R0201
25	6kA	S203D25	2CDS253001R0251
32	6kA	S203D32	2CDS253001R0321
40	6kA	S203D40	2CDS253001R0401
50	6kA	S203D50	2CDS253001R0501
63	6kA	S203D63	2CDS253001R0631

### RCBO single pole, solid neutral to BS EN 61009

#### Type B

Rating Amps	kA	Sensitivity	Part No	Order Code
6	10	30mA	DS271AC-B6/0.03	2CSR175092R1065
10	10	30mA	DS271AC-B10/0.03	2CSR175092R1105
16	10	30mA	DS271AC-B16/0.03	2CSR175092R1165
20	10	30mA	DS271AC-B20/0.03	2CSR175092R1205
25	10	30mA	DS271AC-B25/0.03	2CSR175092R1255
32	10	30mA	DS271AC-B32/0.03	2CSR175092R1325



DS271AC-C10/0.03

#### Type C

6	10	30mA	DS271AC-C6/0.03	2CSR175092R1064
10	10	30mA	DS271AC-C10/0.03	2CSR175092R1104
16	10	30mA	DS271AC-C16/0.03	2CSR175092R1164
20	10	30mA	DS271AC-C20/0.03	2CSR175092R1204
25	10	30mA	DS271AC-C25/0.03	2CSR175092R1254
32	10	30mA	DS271AC-C32/0.03	2CSR175092R1324
40	10	30mA	DS271AC-C40/0.03	2CSR175092R1404

Type B - Suitable for small inrush or switching surges, heating loads and tungsten lighting

Type C - Suitable for moderate switching surges for short duration. eg. discharge lamps.

Supplied with 800mm flying neutral and functional earth leads.



# Protecta - Type B Distribution Boards Outgoing MCBs

## General Accessories/Spares

Description	Order Code
12 module blank cover	GHL5301904R0001
1 module blank cover	GHS2701913R0002
Busbar cover for 5 unused ways	2CDL200001R0011

# Protecta - Type B Distribution Boards

## Metering Modules, Extension Boxes



### Meter Modules

Distribution Board 3 phase kWh meter module fitted with Type DAB13000 Meter multi function with pulsed output



- Extension box with CT's, wiring loom and MCB to pick up voltage.
- Can be mounted top or bottom of board.
- Modbus, maximum demand and M-bus version available

CT size	Max Cable Diameter (Through CT)	Dimensions mm			Part No	Order Code
		H	W	D		
100A	27mm	400	400	125	DB100METMOD	1TVL151800S1017
125A					DB125METMOD	1TVL151800S1018
250A					DB250METMOD	1TVL151800S1019

Please Note: The above modules are built to order, lead times available on request.

### Extension Boxes



#### Top Extension Boxes

Description	Part No	Order Code
Extension Box Plain Cover No DIN Rail	EPBTEB200C	1SKA121142C0001
Extension Box Plain Cover No DIN Rail	EPBTEB400C	1SKA123142C0001
14 Module Extension Box Steel Flap (1 row)	EPBTEB200S	1SKA122142C0001
28 Module Extension Box Steel Flap (2 row)	EPBTEB400S	1SKA124142C0001

#### Extension Box Dimensions

Part No	Height mm	Width mm	Depth mm
EPBTEB200C	200	400	125
EPBTEB400C	400	400	125
EPBTEB200S	200	400	125
EPBTEB400S	400	400	125