

Protecta - Type B Distribution Boards

TP & N Distribution Boards

2



General Description

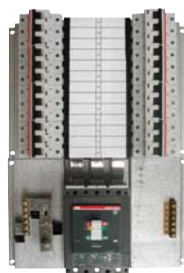
- Constructed to BS EN60439 part 1 & 3
- Enclosure finished in RAL7035
- Busbar rated 250A
- Voltage rating at 230/400v 50Hz
- Integral door latch with key
- Security Lock is also available (please ask)
- Incoming devices up to 250A mounted in the board
- IP Ingress protection IP41BSEN60529
- 4 - 24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



EPB25-312C

TP&N Distribution Boards

Outgoing Ways	Dimensions			Part No	Product Hierarchy 4200001	
	H	W	D		Order Code	Price £
4 way TP&N	502	400	125	EPB25-304C	1SKP804142C0059	126.72
6 way TP&N	560	400	125	EPB25-306C	1SKP806142C0059	145.00
8 way TP&N	610	400	125	EPB25-308C	1SKP808142C0059	164.02
12 way TP&N	718	400	125	EPB25-312C	1SKP812142C0059	200.09
16 way TP&N	830	400	125	EPB25-316C	1SKP816142C0059	285.26
20 way TP&N	1001	400	125	EPB25-320C	1SKP820142C0059	370.13
24 way TP&N	1140	400	125	EPB25-324C	1SKP824142C0059	466.76



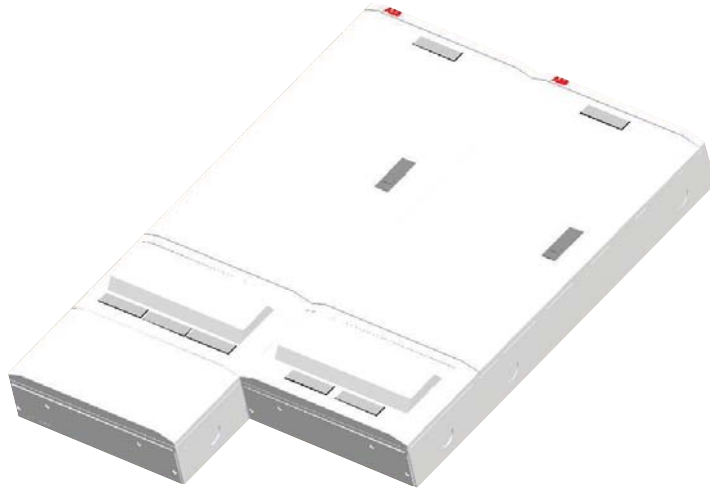
EPB25-PA308C

TP&N Pan Assemblies (for panel mounting)

Outgoing Ways	Dimensions			Part No	Product Hierarchy 4200001	
	H	W	D		Order Code	Price £
4 way TP&N	375	270	60	EPB25-PA304C	1SKP804100C0051	61.85
6 way TP&N	429	270	60	EPB25-PA306C	1SKP806100C0051	73.90
8 way TP&N	483	270	60	EPB25-PA308C	1SKP808100C0051	84.67
12 way TP&N	591	270	60	EPB25-PA312C	1SKP812100C0051	105.94
16 way TP&N	699	270	60	EPB25-PA316C	1SKP816100C0051	130.86
20 way TP&N	874	270	60	EPB25-PA320C	1SKP820100C0051	203.16
24 way TP&N	1014	270	60	EPB25-PA324C	1SKP824100C0051	253.83

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	Product Hierarchy 4200001	
	H	W	D		Order Code	Price £
4+4 way TP&N	902	800	125	125A	EPB25-0404S125C	POA
4+4 way TP&N	902	800	125	125A	EPB25-0606S125C	POA
4+4 way TP&N	902	800	125	125A	EPB25-0808S125C	POA
4+4 way TP&N	902	800	125	125A	EPB25-1212S125C	POA
4+4 way TP&N	902	800	125	125A	EPB25-1616S125C	POA
4+4 way TP&N	902	800	125	125A	EPB25-2020S125C	POA
4+4 way TP&N	902	800	125	125A	EPB25-2424S125C	POA
4+4 way TP&N	902	800	125	250A	EPB25-0404S250C	POA
6+6 way TP&N	960	800	125	250A	EPB25-0606S250C	POA
8+6 way TP&N	1010	800	125	250A	EPB25-0808S250C	POA
12+12 way TP&N	1118	800	125	250A	EPB25-1212S250C	POA
16+16 way TP&N	1230	800	125	250A	EPB25-1616S250C	POA
20+20 way TP&N	1401	800	125	250A	EPB25-2020S250C	POA
24+24 way TP&N	1540	800	125	250A	EPB25-2424S250C	POA

4+4 way TP&N

Protecta

Type B Distribution Boards

2



E203



F204AC



250A MCCB



Incomer Options

Description	Rating (A)	(mA)	Part No	Product Hierarchy 2500001	
				Order Code	Price £
Switch Disconnector (no kit required)	100A 3 pole		E203/100r	2CDE283001R0100	40.46
Switch Disconnector (no kit required)	125A 3 pole		E203/125r	2CDE283001R0125	58.41
Switch Disconnector MCCB•	250A 3 pole		1SDA051327R1	1SDA051327R1	

• Require Kit EPBKIT1-T3C1

RCCB (requires EPB Kit 2C)	63A 4 pole	30	F204AC-63/0.03	2CSF204001R1630	115.72
RCCB (requires EPB Kit 2C)	63A 4 pole	100	F204AC-63/0.1	2CSF204001R2630	83.26
RCCB (requires EPB Kit 2C)	63A 4 pole	300	F204AC-63/0.3	2CSF204001R3630	76.03
RCCB (requires EPB Kit 2C)	80A 4 pole	30	F204AC-80/0.03	2CSF204001R1800	143.94
RCCB (requires EPB Kit 2C)	100A 4 pole	30	F204AC-100/0.03	2CSF204001R1900	161.97
RCCB (requires EPB Kit 2C)	100A 4 pole	100	F204AC-100/0.1	2CSF204001R2900	161.97
RCCB time delayed (requires EPB Kit 2C)	100A 4 pole	300	F204AC-100/0.3	2CSF204001R3900	161.97

Description	Rating (A)	Part No	Product Hierarchy 3000004	
			Order Code	Price £
MCCB T3 - 36kA Require Kit EPBKIT1-T3C1	100A 3 pole	1SDA051243R1	1SDA051243R1	203.85
	125A 3 pole	1SDA051244R1	1SDA051244R1	224.82
	160A 3 pole	1SDA051245R1	1SDA051245R1	286.27
	200A 3 pole	1SDA051246R1	1SDA051246R1	286.27
	250A 3 pole	1SDA051247R1	1SDA051247R1	395.52

All the above require an EPBKIT1-T3C1

Connection Kits

Description	Part No	Product Hierarchy 4200001	
		Order Code	Price £
F200 RCD Connection kit	EPBKIT2C	1SKA142000C1001	21.79
Coupling kit side by side	EPBKIT5	1SKA145000C0001	15.27
Spare 100A TP Isolator kit	EBKIT8C	1SKA148000C1001	17.20
250A Single phase kit	EPBKIT6C1-25	1SKA146000C5001	56.38
Single phase connection kit	EPBKIT6C1	1SKA146000C3001	20.55
250A MCCB connection kit	EPBKIT1-T3C1	1SKA141000C3003	27.79
70mm Cable connection kit	EPBKIT4C1	1SKA144000C3001	15.78
120mm Cable connection kit	EPBKIT3C1	1SKA143000C3001	20.30
Label kit for 24 way EPB board	EPBKIT0-7	1SKA140000C1008	27.04
Blank spare flange plate	EPBGP1UK	1SKA130002C0001	8.28

Protecta - Type B Distribution Boards

Outgoing MCBs

B



S201M



S202M



S203M

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	Product Hierarchy 2400004	
			Order Code	Price £
6	10kA	S201MB6	2CDS271001R0065	10.94
10	10kA	S201MB10	2CDS271001R0105	10.04
16	10kA	S201MB16	2CDS271001R0165	10.04
20	10kA	S201MB20	2CDS271001R0205	10.04
25	10kA	S201MB25	2CDS271001R0255	10.04
32	10kA	S201MB32	2CDS271001R0325	10.04
40	10kA	S201MB40	2CDS271001R0405	10.94
50	10kA	S201MB50	2CDS271001R0505	11.51
63	10kA	S201MB63	2CDS271001R0635	11.64

Double Pole

6	10kA	S202MB6	2CDS272001R0065	31.41
10	10kA	S202MB10	2CDS272001R0105	28.85
13	10kA	S202MB13	2CDS272001R0135	28.85
16	10kA	S202MB16	2CDS272001R0165	28.85
20	10kA	S202MB20	2CDS272001R0205	28.85
25	10kA	S202MB25	2CDS272001R0255	28.85
32	10kA	S202MB32	2CDS272001R0325	28.85
40	10kA	S202MB40	2CDS272001R0405	31.48
50	10kA	S202MB50	2CDS272001R0505	33.00
63	10kA	S202MB63	2CDS272001R0635	33.28

Triple Pole

6	10kA	S203MB6	2CDS273001R0065	46.64
10	10kA	S203MB10	2CDS273001R0105	43.74
16	10kA	S203MB16	2CDS273001R0165	43.74
20	10kA	S203MB20	2CDS273001R0205	43.74
25	10kA	S203MB25	2CDS273001R0255	43.74
32	10kA	S203MB32	2CDS273001R0325	43.74
40	10kA	S203MB40	2CDS273001R0405	46.64
50	10kA	S203MB50	2CDS273001R0505	48.97
63	10kA	S203MB63	2CDS273001R0635	49.45

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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.

2



S201M



S202M

Single Pole

Rating Amps	kA	Part No	Product Hierarchy 2400004	
			Order Code	Price £
0.5	10kA	S201MC0.5	2CDS271001R0984	11.64
1	10kA	S201MC1	2CDS271001R0014	11.64
2	10kA	S201MC2	2CDS271001R0024	11.51
3	10kA	S201MC3	2CDS271001R0034	11.51
4	10kA	S201MC4	2CDS271001R0044	11.27
6	10kA	S201MC6	2CDS271001R0064	10.94
8	10kA	S201MC8	2CDS271001R0084	10.94
10	10kA	S201MC10	2CDS271001R0104	10.04
13	10kA	S201MC13	2CDS271001R0134	10.04
16	10kA	S201MC16	2CDS271001R0164	10.04
20	10kA	S201MC20	2CDS271001R0204	10.04
25	10kA	S201MC25	2CDS271001R0254	10.04
32	10kA	S201MC32	2CDS271001R0324	10.04
40	10kA	S201MC40	2CDS271001R0404	10.94
50	10kA	S201MC50	2CDS271001R0504	11.51
63	10kA	S201MC63	2CDS271001R0634	11.64

Double Pole

0.5	10kA	S202MC0.5	2CDS272001R0984	33.28
1	10kA	S202MC1	2CDS272001R0014	33.28
2	10kA	S202MC2	2CDS272001R0024	33.00
3	10kA	S202MC3	2CDS272001R0034	33.00
6	10kA	S202MC6	2CDS272001R0064	31.41
8	10kA	S202MC8	2CDS272001R0084	28.85
10	10kA	S202MC10	2CDS272001R0104	28.85
16	10kA	S202MC16	2CDS272001R0164	28.85
20	10kA	S202MC20	2CDS272001R0204	28.85
25	10kA	S202MC25	2CDS272001R0254	28.85
32	10kA	S202MC32	2CDS272001R0324	28.85
40	10kA	S202MC40	2CDS272001R0404	31.48
50	10kA	S202MC50	2CDS272001R0504	33.00
63	10kA	S202MC63	2CDS272001R0634	33.28

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	Product Hierarchy 2400004	
			Order Code	Price £
1	10kA	S203MC1	2CDS273001R0014	49.45
2	10kA	S203MC2	2CDS273001R0024	48.97
3	10kA	S203MC3	2CDS273001R0034	48.97
4	10kA	S203MC4	2CDS273001R0044	48.08
6	10kA	S203MC6	2CDS273001R0064	46.64
10	10kA	S203MC10	2CDS273001R0104	43.74
13	10kA	S203MC13	2CDS273001R0134	43.74
16	10kA	S203MC16	2CDS273001R0164	43.74
20	10kA	S203MC20	2CDS273001R0204	43.74
25	10kA	S203MC25	2CDS273001R0254	43.74
32	10kA	S203MC32	2CDS273001R0324	43.74
40	10kA	S203MC40	2CDS273001R0404	46.64
50	10kA	S203MC50	2CDS273001R0504	48.97
63	10kA	S203MC63	2CDS273001R0634	49.45

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Protecta - Type B Distribution Boards

Outgoing MCBs

D

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

Suitable for cable protection and high inrush applications such as transformers

2



S201M



S202M

Single Pole

Rating Amps	kA	Part No	Product Hierarchy 2400004	
			Order Code	Price £
1	6kA	S201D1	2CDS251001R0011	12.48
2	6kA	S201D2	2CDS251001R0021	12.36
3	6kA	S201D3	2CDS251001R0031	12.36
4	6kA	S201D4	2CDS251001R0041	12.13
6	6kA	S201D6	2CDS251001R0061	11.78
10	6kA	S201D10	2CDS251001R0101	10.82
16	6kA	S201D16	2CDS251001R0161	10.82
20	6kA	S201D20	2CDS251001R0201	10.82
25	6kA	S201D25	2CDS251001R0251	10.82
32	6kA	S201D32	2CDS251001R0321	10.82
40	6kA	S201D40	2CDS251001R0401	11.78
50	6kA	S201D50	2CDS251001R0501	12.36
63	6kA	S201D63	2CDS251001R0631	12.48

Double Pole

0.5	6kA	S202D0.5	2CDS252001R0157	37.34
1	6kA	S202D1	2CDS252001R0011	35.70
2	6kA	S202D2	2CDS252001R0021	35.38
3	6kA	S202D3	2CDS252001R0031	35.38
4	6kA	S202D4	2CDS252001R0041	34.67
6	6kA	S202D6	2CDS252001R0061	33.72
10	6kA	S202D10	2CDS252001R0101	30.90
16	6kA	S202D16	2CDS252001R0161	30.90
20	6kA	S202D20	2CDS252001R0201	30.90
25	6kA	S202D25	2CDS252001R0251	30.90
32	6kA	S202D32	2CDS252001R0321	30.90
40	6kA	S202D40	2CDS252001R0401	33.72
50	6kA	S202D50	2CDS252001R0501	35.38
63	6kA	S202D63	2CDS252001R0631	35.70

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	Product Hierarchy 2400004	
			Order Code	Price £
1	6kA	S203D1	2CDS253001R0011	52.95
2	6kA	S203D2	2CDS253001R0021	52.48
3	6kA	S203D3	2CDS253001R0031	52.48
4	6kA	S203D4	2CDS253001R0041	51.48
6	6kA	S203D6	2CDS253001R0061	49.96
10	6kA	S203D10	2CDS253001R0101	46.84
16	6kA	S203D16	2CDS253001R0161	46.84
20	6kA	S203D20	2CDS253001R0201	46.84
25	6kA	S203D25	2CDS253001R0251	46.84
32	6kA	S203D32	2CDS253001R0321	46.84
40	6kA	S203D40	2CDS253001R0401	49.96
50	6kA	S203D50	2CDS253001R0501	52.48
63	6kA	S203D63	2CDS253001R0631	52.95

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RCBO single pole, solid neutral to BS EN 61009



DS271AC-C10/0.03

Type B

Rating Amps	kA	Sensitivity	Part No	Product Hierarchy 2500002	
				Order Code	Price £
6	10	30mA	DS271AC-B6/0.03	2CSR175092R1065	69.13
10	10	30mA	DS271AC-B10/0.03	2CSR175092R1105	69.13
16	10	30mA	DS271AC-B16/0.03	2CSR175092R1165	69.13
20	10	30mA	DS271AC-B20/0.03	2CSR175092R1205	69.13
25	10	30mA	DS271AC-B25/0.03	2CSR175092R1255	69.13
32	10	30mA	DS271AC-B32/0.03	2CSR175092R1325	69.13

Type C

6	10	30mA	DS271AC-C6/0.03	2CSR175092R1064	69.13
10	10	30mA	DS271AC-C10/0.03	2CSR175092R1104	69.13
16	10	30mA	DS271AC-C16/0.03	2CSR175092R1164	69.13
20	10	30mA	DS271AC-C20/0.03	2CSR175092R1204	69.13
25	10	30mA	DS271AC-C25/0.03	2CSR175092R1254	69.13
32	10	30mA	DS271AC-C32/0.03	2CSR175092R1324	69.13
40	10	30mA	DS271AC-C40/0.03	2CSR175092R1404	69.13

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	Product Hierarchy 2400004	
	Order Code	Price £
Description		
12 module blank cover	GHL5301904R0001	2.27
1 module blank cover	GHS2701913R0002	0.36
Busbar cover for 5 unused ways	2CDL200001R0011	1.49

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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	Product Hierarchy 42000001	
		H	W	D		Order Code	Price £
100A	27mm	400	400	125	DB100METMOD	1TVL151800S1017	729.47
125A					DB125METMOD	1TVL151800S1018	729.47
250A					DB250METMOD	1TVL151800S1019	729.47

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

Extension Boxes



Top Extension Boxes

Description	Part No	Product Hierarchy 42000001	
		Order Code	Price £
Extension Box Plain Cover No DIN Rail	EPBTEB200C	1SKA121142C0001	45.09
Extension Box Plain Cover No DIN Rail	EPBTEB400C	1SKA123142C0001	72.12
14 Module Extension Box Steel Flap (1 row)	EPBTEB200S	1SKA122142C0001	52.59
28 Module Extension Box Steel Flap (2 row)	EPBTEB400S	1SKA124142C0001	76.62

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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