

THREE PHASE 'B' TYPE BOARDS 2022 / 2023

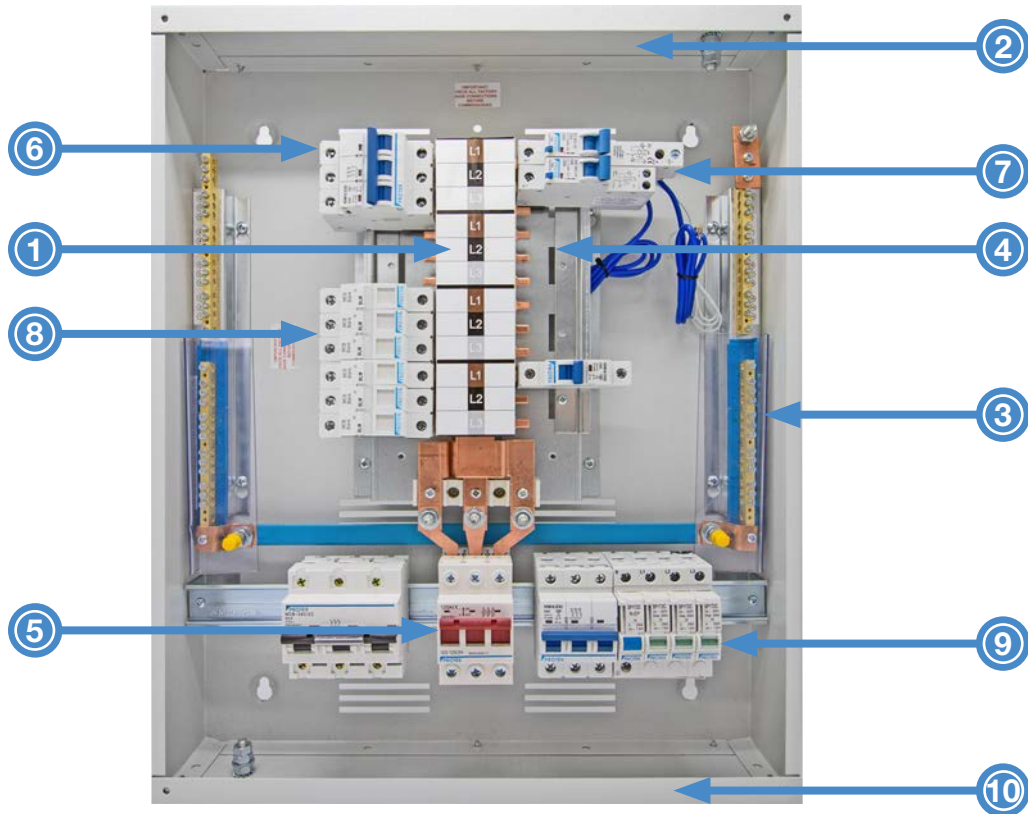


Introduction

Protek Electronics original 'Titan' series of three phase boards are still widely regarded as one of the most durable and configurable available in the UK market place today. Building on the strength of the 'Titan' series, Protek have now re-designed the original board to meet today's ever increasing demands.

Available in 125A or 250A and 4 to 24 out going three phase ways, we believe we have now developed a new range of three phase boards that maintain the high levels of build quality, configurability, flexibility and cost effectiveness that our customers have come to expect.

Features



- ① Fully rated 125A/250A busbars.
- ② Removable blank gland plates top and bottom. Cables can be glanded where needed.
- ③ Full length earth and neutral bars both sides* allowing devices to be fitted anywhere inside the board.
- ④ Raised, removable and slotted pan assembly to facilitate easy wiring.
- ⑤ Boards fitted with incomers of 160A and above come complete with cable extension box at no extra cost.
- ⑥ Accepts Proteks 10kA range of HD MCBs and auxiliary devices, utilising a half din rail system to ensure all devices line up thus reducing installation time.
- ⑦ Accepts Proteks 10kA range of RCBOs, SRCBOs and 6kA AFDDs.
- ⑧ Accepts Proteks unique busbar shrouds which guarantees all live busbar tabs are free from human contact should the board be worked upon live.
- ⑨ 18th Edition ready. Surge protection kits fit internally. and are designed to avoid losing out going ways.
- ⑩ Powder coated epoxy finish RAL 7035. Key lockable door for extra security. Removable Door reduces installation time. Single phase kit for both 125A/250A options.

Configuration Options

Three Phase Boards

Available in 125A and 250A.

4, 6, 8, 12, 16 and 24 three phase ways.

These highly configurable boards are available from stock and can be supplied pre-configured on request. Please contact our technical sales team for more information.



Incomers

MCB, MCCB, RCD (both standard & time delay), RCBO3/CBR and switch incomers are available from 63A up to 250A in 3 and 4 pole variants. Where required cable boxes are supplied at no additional cost.



Surge Protection Kits

Our 18th Edition ready three phase boards have been specifically designed to accept our range of Surge Protection Kits without losing a three phase way.

We supply kits for both our 125A & 250A boards in Type 1+2 or Type 2.



Metering Kits

We understand how increasingly important it is to be able to monitor both incoming and outgoing energy usage. A range of meter kits have been developed for both our 125A and 250A three phase boards allowing for quick and easy installation. kWh & MID (Pulsed/Modbus) types are both available.



Devices

HDMCBs in 10kA 1 Pole, 2 Pole and 3 Pole 1A to 63A in 'B' 'C' and 'D' Curve. We also offer a range of HDMCB accessories to assist in control system wiring.

RCBOs in 1 Pole 10kA 6A to 63A 'B' and 'C' Curve, Type A or Type AC.

SRCBOs in 1 Pole 10kA 6A to 40A 'B' and 'C' Curve. SRCBOs are our 'Mini' RCBO which offer increased cabling space due to their shorter size, Type A or Type AC.

AFDDs in 2 Pole single module 6kA which are becoming increasingly popular due to their competitive price and reduced module size.

BLMs are a unique 1 Pole blank that offer complete shrouding of any potentially exposed busbar prongs.



Additional Accessories

To complement our range of three phase boards we also offer a number of optional accessories.

Trunking glanding plates for easy cabling or when connecting enclosures.

Various cover plates to suit incomers and devices mounted on the din rail.

Single and dual bank enclosures suitable for housing contactors, timers and other control devices.



Power and Lighting Boards / Bespoke Builds

Tri load, split load / lighting and power boards are also available in a variety of sizes.

We can also build bespoke boards to your specification. Please call our sales team or visit our website for further information.

1 Select a Three Phase Board					
	Part Number	Ways	Description		Dimensions
125A	TP4-125W	4	125A TP&N 'B' Type Board		H470 x W460 x D120
	TP6-125W	6	125A TP&N 'B' Type Board		H525 x W460 x D120
	TP8-125W	8	125A TP&N 'B' Type Board		H580 x W460 x D120
	TP12-125W	12	125A TP&N 'B' Type Board		H690 x W460 x D120
	TP16-125W	16	125A TP&N 'B' Type Board		H795 x W460 x D145
	TP24-125W	25	125A TP&N 'B' Type Board		H1010 x W460 x D145
250A	TP4-250	4	250A TP&N 'B' Type Board		H470 x W460 x D145
	TP6-250	6	250A TP&N 'B' Type Board		H525 x W460 x D145
	TP8-250	8	250A TP&N 'B' Type Board		H580 x W460 x D145
	TP12-250	12	250A TP&N 'B' Type Board		H690 x W460 x D145
	TP16-250	16	250A TP&N 'B' Type Board		H795 x W460 x D145
	TP24-250	25	250A TP&N 'B' Type Board		H1010 x W460 x D145

2 Select an Incomer						
	Part Number	Amp	125A Fitting	250A Fitting	Description	Dimensions
TP&N Switch	MS363K	63A	✓	✗	TP&N Switch Incomer Kit	N/A
	MS3100K	100A	✓	✗	TP&N Switch Incomer Kit	N/A
	MS3125K	125A	✓	✗	TP&N Switch Incomer Kit	N/A
	MS3160K	160A	✗	✓	TP&N Switch Incomer Kit	H225 x W460 x D145
	MS3200K	200A	✗	✓	TP&N Switch Incomer Kit	H225 x W460 x D145
	MS3250K	250A	✗	✓	TP&N Switch Incomer Kit	H225 x W460 x D145
4 P Switch	MS463K	63A	✓	✗	4 Pole Switch Incomer Kit	N/A
	MS4100K	100A	✓	✗	4 Pole Switch Incomer Kit	N/A
	MS4125K	125A	✓	✗	4 Pole Switch Incomer Kit	N/A
	MS4160K	160A	✗	✓	4 Pole Switch Incomer Kit	H510 x W460 x D145
	MS4200K	200A	✗	✓	4 Pole Switch Incomer Kit	H510 x W460 x D145
	MS4250K	250A	✗	✓	4 Pole Switch Incomer Kit	H510 x W460 x D145
RCD	R100/30K	100A	✓	✗	30mA 4 Pole RCD Incomer Kit	N/A
	R100/100K	100A	✓	✗	100mA 4 Pole RCD Incomer Kit	N/A
	R100/300K	100A	✓	✗	300mA 4 Pole RCD Incomer Kit	N/A
	R100/500K	100A	✓	✗	500mA 4 Pole RCD Incomer Kit	N/A
MCB	MB363K	63A	✓	✗	TP&N MCB Incomer Kit	N/A
	MB380K	80A	✓	✗	TP&N MCB Incomer Kit	N/A
	MB3100K	100A	✓	✗	TP&N MCB Incomer Kit	N/A
	MB463K	63A	✓	✗	4 Pole MCB Incomer Kit	N/A
	MB480K	80A	✓	✗	4 Pole MCB Incomer Kit	N/A
	MB4100K	100A	✓	✗	4 Pole MCB Incomer Kit	N/A
3 P MCCB	MO3100KTS	100A	✓	✗	TP&N 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO3125KTS	125A	✓	✗	TP&N 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO3160KTS	160A	✗	✓	TP&N 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO3200KTS	200A	✗	✓	TP&N 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO3250KTS	250A	✗	✓	TP&N 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO4100KTS	100A	✓	✗	4 Pole 16kA MCCB Incomer Kit	H510 x W460 x D145
4 P MCCB	MO4125KTS	125A	✓	✗	4 Pole 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO4160KTS	160A	✗	✓	4 Pole 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO4200KTS	200A	✗	✓	4 Pole 16kA MCCB Incomer Kit	H510 x W460 x D145
	MO4250KTS	250A	✗	✓	4 Pole 16kA MCCB Incomer Kit	H510 x W460 x D145
CBR	TPKR063TS	63A	✓	✗	4 Pole 25kA CBR Incomer Kit	H510 x W460 x D145
	TPKR100TS	100A	✓	✗	4 Pole 25kA CBR Incomer Kit	H510 x W460 x D145
	TPKR125TS	125A	✓	✗	4 Pole 25kA CBR Incomer Kit	H510 x W460 x D145
	TPKR160TS	160A	✗	✓	4 Pole 25kA CBR Incomer Kit	H510 x W460 x D145
	TPKR250TS	250A	✗	✓	4 Pole 25kA CBR Incomer Kit	H510 x W460 x D145

3 Select an Incoming Meter Kit						
	Part Number	Type	125A Fitting	250A Fitting	Description	Dimensions
	TPMK1P	Easy Wire	✓	✗	125A Easy Wire Incoming Meter Kit	H255 x W460 x H95
	TPMK1P-MID	MID	✓	✗	125A MID Approved Incoming Meter Kit	H255 x W460 x H95
	TPMK2P	Easy Wire	✗	✓	250A Easy Wire Incoming Meter Kit	H255 x W460 x H120
	TPMK2P-MID	MID	✗	✓	250A MID Approved Incoming Meter Kit	H255 x W460 x H120

Select an Internal Surge Protection Kit

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Part Number	Type	125A Fitting	250A Fitting	Description	Dimensions
SP3K-125T2	2	✓	✗	125A Protek Surge Protection Kit	N/A
ST3K-125T2	2	✓	✗	125A Mersen Surge Protection Kit	N/A
ST3K-125T1-2	1 + 2	✓	✗	125A Mersen Surge Protection Kit	N/A
SP3K-250T2	2	✗	✓	250A Protek Surge Protection Kit	N/A
ST3K-250T2	2	✗	✓	250A Mersen Surge Protection Kit	N/A
ST3K-250T1-2	1 + 2	✗	✓	250A Mersen Surge Protection Kit	N/A

Select an Accessory Box or Cable Box

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Part Number	Type	125A Fitting	250A Fitting	Description	Dimensions
SB225W	Cable Box	✓	✗	Cable Box	H225 x W460 x D95
AB16W	Acc. Box	✓	✗	16 x Single Pole Ways	H225 x W460 x D120
AB32W	Acc. Box	✓	✗	32 x Single Pole Ways	H400 x W460 x D120
SB225HD	Cable Box	✗	✓	Cable Box	H225 x W460 x D95
AB16HD	Acc. Box	✗	✓	16 x Single Pole Ways	H225 x W460 x D145
AB32HD	Acc. Box	✗	✓	32 x Single Pole Ways	H400 x W460 x D145

Select Outgoing Devices

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Part Number	Type	125A Fitting	250A Fitting	Description	Size
HDMCB-1ZXX*	MCB	✓	✓	1A-63A B/C/D Curve 10kA	Single Pole - 1 Module
HDMCB-3ZXX*	MCB	✓	✓	1A-63A C/D Curve 10kA	Three Pole - 3 Module
RCBO1-30/ZXX*	RCBO	✓	✓	6A-63A B/C Curve 10kA	Single Pole - 1 Module
SRCBO1-30/ZXX*	SRCBO	✓	✓	6A-40A B/C Curve 10kA Mini	Single Pole - 1 Module
RCBO1-30/ZXX/A*	RCBO	✓	✓	6A-63A B/C Curve 10kA Type A	Single Pole - 1 Module
SRCBO1-30/ZXX/A*	SRCBO	✓	✓	6A-40A B/C Curve 10kA Mini Type A	Single Pole - 1 Module
AFDD2-30/ZXX*	AFDD	✓	✓	6A-40A B/C Curve 6kA	Two Pole - 1 Module

* Z = Curve / XX = Amps

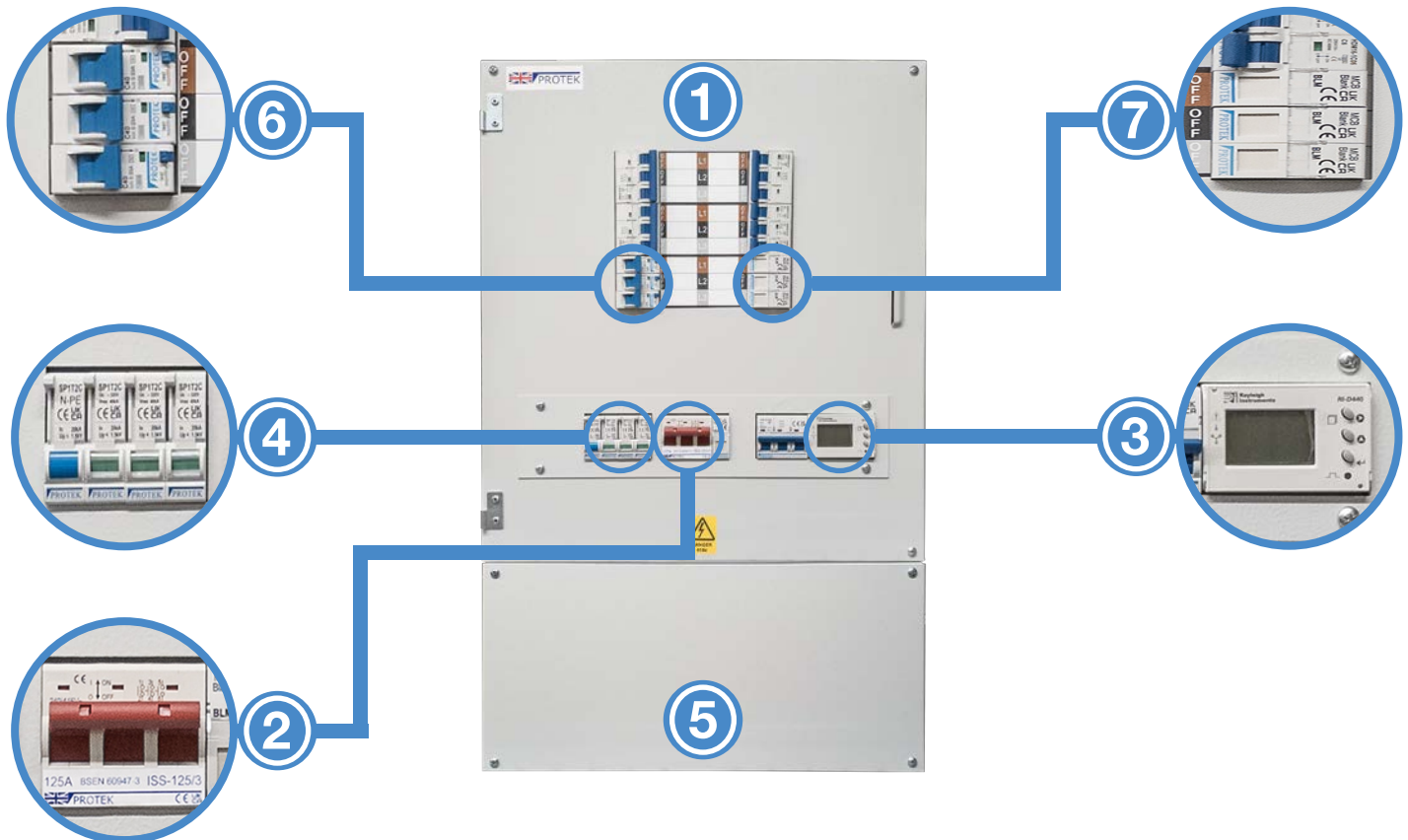
MCB

RCBO/AFDD

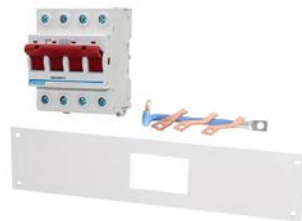
Select Additional Accessories

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Part Number	Type	125A Fitting	250A Fitting	Description	Size
SPCK250	Kit	✓	✓	Single Phase Conversion Kit	N/A
BL/1	Blank	✓	✓	Single Pole Plastic Blanking Plate	1 Module
BLM	Blank	✓	✓	Single Pole Plastic Busbar Shroud	1 Module



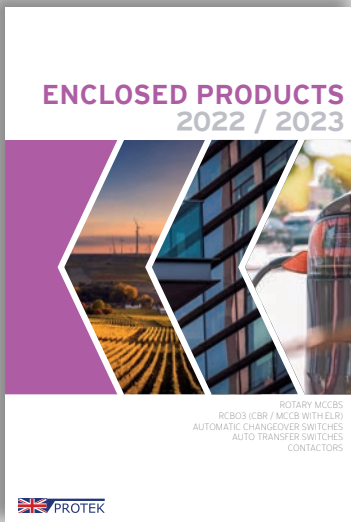
Gallery



Notes

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Protek Electronics Limited

Phoenix House, Phoenix Road, Hawkes Green, Cannock, Staffordshire, WS11 7LR
Tel: 01543 467575 Fax: 01543 462370 Email: sales@protekuk.co.uk Web: www.protekuk.co.uk