

CONTACTUM

Defender B Board



CONTACTUM
Connect & Protect

Defender B Board

1.2mm Electro
Galvanised
Sheet Steel

Tested to
BS EN61439-3

Busbar Short Time
Withstand Rating
Icw 20kA 0.25s

Tin Plated
Busbar, Improved
Connection,
Prevention of
Copper Oxidisation

Fully Shrouded
Neutral Terminals

Spacious Enclosure
For Easy Wiring

Surge Arrestor Kit
T2 40KA

Metering and
Surge Arrestor Kits
are supplied complete
with all accessories and
cabling to fully install
onto B Board

1.2mm Gland
Plates, Top & Bottom

Keyhole Fixing
Points

Polyester Powder
Coated In RAL-9016
Textured Finish

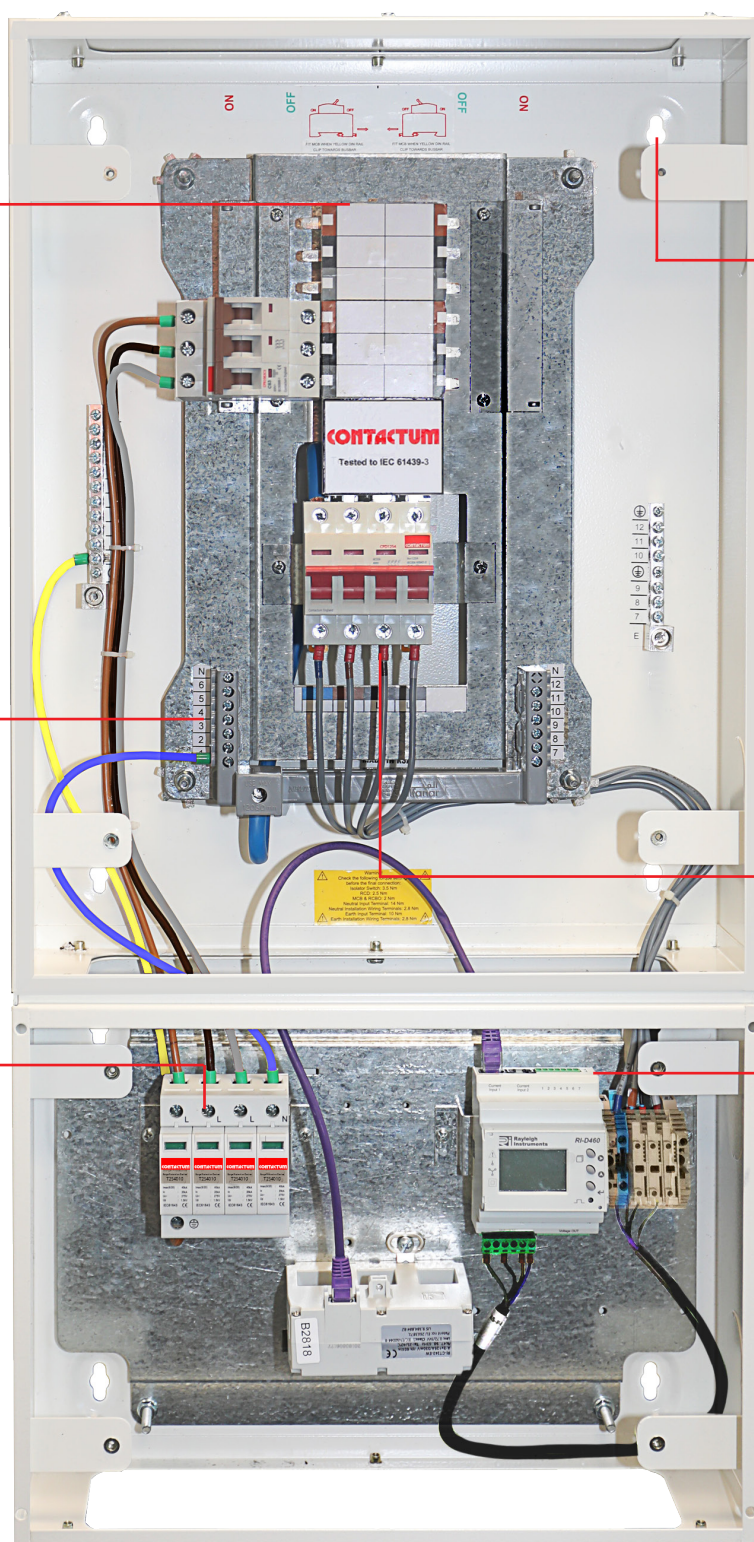
IP4X With Door And
DFC Fitted

IP2X With All Devices
And Blanks Fitted
With Covers Off

Choice of 125A
4 Pole Isolator or
4 Pole RCD's

Metering Kit
MID approved
options available

Optional add on
Meter/Surge Arrestor
Extension Enclosure



Defender B Board Type DDB

Type Tested by Reputed Laboratory



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Features

- 4 to 16 triple pole ways
- Removable pan assembly
- RAL 9016 textured finish
- 4 pole 125A isolator
- 4 pole RCD's
- Enclosure IP 4X
- Door locking feature
- Single pole conversion kit
- 125A busbar
- Tin plated copper busbar
- Removable top & bottom gland plates.

Technical Data

Compliance standard	IEC 61439-3
Product colour	RAL 9016 textured, powder coated polyester
No of outgoing triple pole ways	4,6,8,12,16
Mounting type	Surface

Environmental

IP rating BS EN 60529	IP 4X
Pollution degree	3
Installation location	Inside
Average ambient temperature	35°C
Operating temperature range	(-5°C to 40°C)
Altitude	Up to 2000m (no derating)

Electrical Characteristics

Electrical supply type	3 phase AC
Maximum operating voltage	415 VAC
Supply frequency	50 Hz
Busbar rating: maximum rating	125A
Rated short time withstand current (I _{cw})	20kA - 0.25s
Rated impulse withstand voltage (U _{imp})	4kV
Incoming isolator	4 pole (3 phase and neutral)

Mechanical Characteristics

Enclosure	1.2 mm galvanised steel
Busbar	Tin plated ETP Cu (2 layers)
Neutral terminals: shrouded	Brass tin plated
Earth terminals	Brass tin plated
Door latch, with key	Metallic

Dimensions

4 way	532 x 415 x 120mm
6 way	586 x 415 x 120mm
8 way	640 x 415 x 120mm
12 way	748 x 415 x 120mm
16 way	856 x 415 x 120mm

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B Boards - IEC Compliant Distribution Board (IEC 61439-3)



TP & N Distribution Boards

DDB125PIR04	4 Way Provision for Iso/RCD Type B Board Rated 125A	532 x 415 x 120mm
DDB125PIR06	6 Way Provision for Iso/RCD Type B Board Rated 125A	586 x 415 x 120mm
DDB125PIR08	8 Way Provision for Iso/RCD Type B Board Rated 125A	640 x 415 x 120mm
DDB125PIR12	12 Way Provision for Iso/RCD Type B Board Rated 125A	748 x 415 x 120mm
DDB125PIR16	16 Way Provision for Iso/RCD Type B Board Rated 125A	856 x 415 x 120mm

Main Incomers

CPD1254	125A 4P Isolator
CPR100003	100A 4P 30mA RCD Type AC
CPR100010	100A 4P 100mA RCD Type AC
CPR100030	100A 4P 300mA RCD Type AC
CPR100010T	100A 4P 100mA RCD Type AC With Time Delay
CPR100030T	100A 4P 300mA RCD Type AC With Time Delay

Metering / Surge Protection Extension Enclosure



Extension Enclosure

DDB-M/SENC	DDB Metering / Surge Protection Enclosure*	316 x 415 x 126mm
DDB-CEENC	DDB Cable Extension Enclosure	316 x 415 x 126mm
DDB-MSB14	DDB 14 Modular Extension Enclosure	316 x 415 x 126mm

*To be assembled onto bottom of TP&N Distribution Boards. Extension Enclosure can be fitted with 1 x Single Channel Metering Kit; 1 x Surge Arrestor Kit; OR 1 x Single Channel Metering Kit AND 1 x Surge Arrestor Kit.

Metering Kits

DDB-SCMIDMKIT	Single Channel MID Meter Kit
DDB-SCMKIT	Single Channel Check Meter (Non MID) Kit

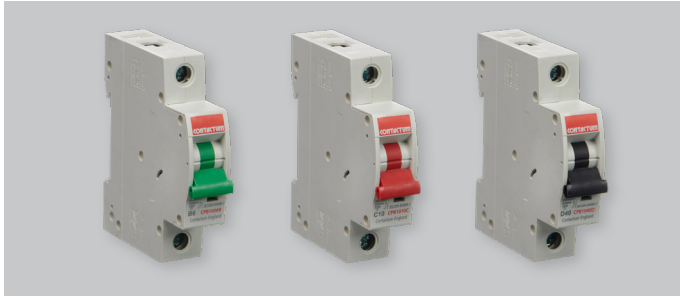
Supplied complete with all Metering Power kit plus plug and play connections between Meter and CT.

Surge Arrestor Kits

DDB-T2S4031KIT	Type 2 40kA 3+1 Surge Arrestor Kit
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Supplied complete with Type 2 Surge Arrestor, 63A 3 pole MCB, plus all required cabling

Single Pole MCB Devices 10kA IEC 60898



B, C and D Curve

CPB1006-	6A 10kA SP	
CPB1010-	10A 10kA SP	
CPB1016-	16A 10kA SP	
CPB1020-	20A 10kA SP	
CPB1025-	25A 10kA SP	
CPB1032-	32A 10kA SP	
CPB1040-	40A 10kA SP	
CPB1050-	50A 10kA SP	
CPB1063-	63A 10kA SP	

- Please specify the required curve by adding the reference code as shown here: CPB1006B

Triple Pole MCB Devices 10kA IEC 60898



B, C and D Curve

CPB1006-3	6A 10kA TP	
CPB1010-3	10A 10kA TP	
CPB1016-3	16A 10kA TP	
CPB1020-3	20A 10kA TP	
CPB1025-3	25A 10kA TP	
CPB1032-3	32A 10kA TP	
CPB1040-3	40A 10kA TP	
CPB1050-3	50A 10kA TP	
CPB1063-3	63A 10kA TP	

- Please specify the required curve by adding the reference code as shown here: CPB1006B3

eRCBO Devices Class A 30mA 10KA IEC/EN 61009

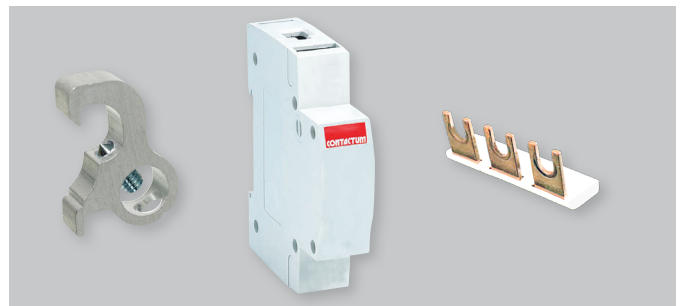


Compact Standard B and C Curve

CCPBR1006A-	CPBR1006A-	6A 30mA 10kA Type A SP RCBO
CCPBR1010A-	CPBR1010A-	10A 30mA 10kA Type A SP RCBO
CCPBR1016A-	CPBR1016A-	16A 30mA 10kA Type A SP RCBO
CCPBR1020A-	CPBR1020A-	20A 30mA 10kA Type A SP RCBO
CCPBR1025A-	CPBR1025A-	25A 30mA 10kA Type A SP RCBO
CCPBR1032A-	CPBR1032A-	32A 30mA 10kA Type A SP RCBO
CCPBR1040A-	CPBR1040A-	40A 30mA 10kA Type A SP RCBO
CCPBR1050A-	CPBR1050A-	50A 30mA 10kA Type A SP RCBO

- Please specify the required curve by adding the reference code as shown here: CCPBR1006AB CPBR1006AC

Accessories



Blank, Locking Device & Conversion Kit

CPA10	MCB/RCBO Toggle Locking Device
CPBM1	Type DDB MCB Blank
DDB1254ISPCK	125A 4P Isolator Single Phase Conversion Kit*

*Can only be used with 4P 125A Isolator



CONTACTUM

Contactum Ltd, Victoria House, 2 Blackmoor Lane,
Croxley Green, Watford WD18 8GA
T: 020 8208 7419 E: sales@contactum.co.uk www.contactum.co.uk

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