

CONTACTUM

Defender B Board



Defender B Board

1.2mm Electro Galvanised Sheet Steel

Tested to BS EN61439-3

Busbar Short Time Withstand Rating Icw 20kA 0.25s

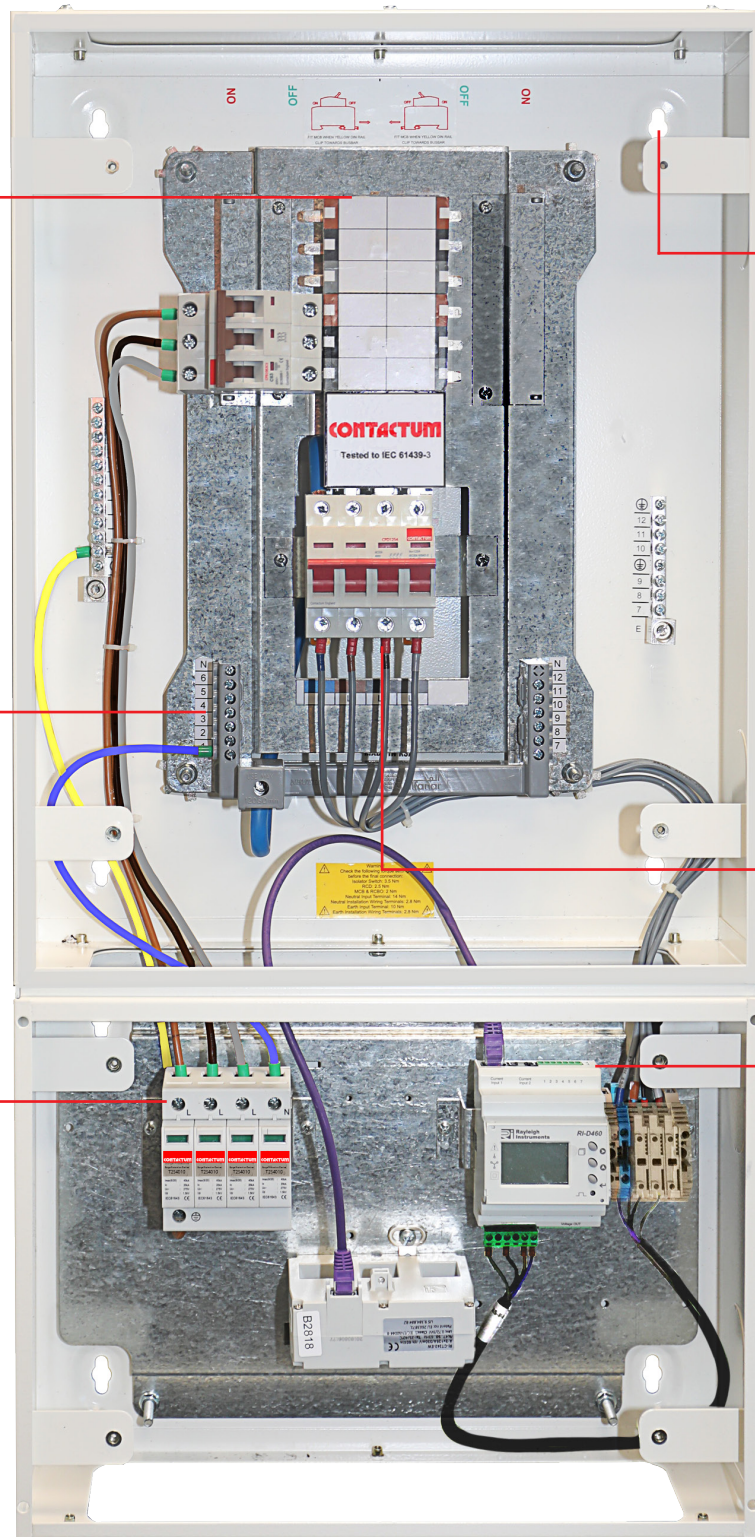
Tin Plated Busbar, Improved Connection, Prevention of Copper Oxidisation

Fully Shrouded Neutral Terminals

Spacious Enclosure For Easy Wiring

Surge Arrestor Kit T2 40KA 4+0 or 3+1 options available

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

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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 _{cs})	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*
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*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. MCB blanks must be fitted on all unused apertures.

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
DDB-T2S4040KIT	Type 2 40kA 4+0 Surge Arrestor Kit

Supplied complete with Type 2 Surge Arrestor, 63A 3 pole MCB, plus all required cabling

Single Pole MCB Devices 10kA IEC 60898












B Curve C Curve D Curve

CPB1006B	CPB1006C	CPB1006D		6A 10kA SP
CPB1010B	CPB1010C	CPB1010D		10A 10kA SP
CPB1016B	CPB1016C	CPB1016D		16A 10kA SP
CPB1020B	CPB1020C	CPB1020D		20A 10kA SP
CPB1025B	CPB1025C	CPB1025D		25A 10kA SP
CPB1032B	CPB1032C	CPB1032D		32A 10kA SP
CPB1040B	CPB1040C	CPB1040D		40A 10kA SP
CPB1050B	CPB1050C	CPB1050D		50A 10kA SP
CPB1063B	CPB1063C	CPB1063D		63A 10kA SP

Triple Pole MCB Devices 10kA IEC 60898



B Curve C Curve D Curve

CPB1006B3	CPB1006C3	CPB1006D3		6A 10kA TP
CPB1010B3	CPB1010C3	CPB1010D3		10A 10kA TP
CPB1016B3	CPB1016C3	CPB1016D3		16A 10kA TP
CPB1020B3	CPB1020C3	CPB1020D3		20A 10kA TP
CPB1025B3	CPB1025C3	CPB1025D3		25A 10kA TP
CPB1032B3	CPB1032C3	CPB1032D3		32A 10kA TP
CPB1040B3	CPB1040C3	CPB1040D3		40A 10kA TP
CPB1050B3	CPB1050C3	CPB1050D3		50A 10kA TP
CPB1063B3	CPB1063C3	CPB1063D3		63A 10kA TP

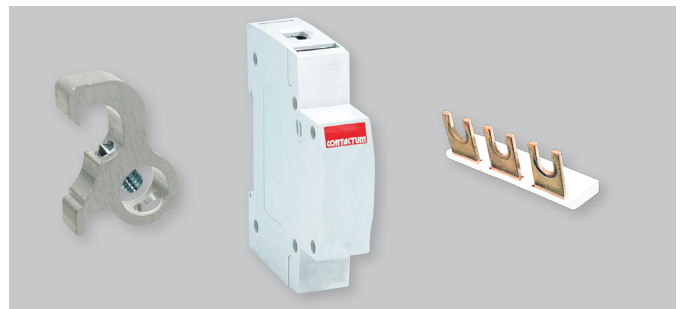
RCBO Devices 30mA 10KA IEC/EN 61009



B Curve C Curve

CPBR1006AB	CPBR1006AC	6A 30mA 10kA Type A SP RCBO
CPBR1010AB	CPBR1010AC	10A 30mA 10kA Type A SP RCBO
CPBR1016AB	CPBR1016AC	16A 30mA 10kA Type A SP RCBO
CPBR1020AB	CPBR1020AC	20A 30mA 10kA Type A SP RCBO
CPBR1025AB	CPBR1025AC	25A 30mA 10kA Type A SP RCBO
CPBR1032AB	CPBR1032AC	32A 30mA 10kA Type A SP RCBO
CPBR1040AB	CPBR1040AC	40A 30mA 10kA Type A SP RCBO
CPBR1050AB	CPBR1050AC	50A 30mA 10kA Type A SP RCBO

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

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