

# Loadlimiter 63

# B-Type TP&N Distribution boards Meter Selection Chart Single Metered Board

Result: Single TP&N Board with Panel Mounted meter in a General Purpose Enclosure below the distribution board

**Step 1:** Select Distribution Board

DBX04R DBX16R DBX06R DBX20R DBX08R DBX24R DBX12R

Distribution Board x 1

Step 2: Select Incoming Device

125A or 250A?

125A

Switch Disconnector 100A 3 Pole = AV3100 125A 3 Pole = AV3125 100A 4 Pole = AV4100 125A 4 Pole = AV4125 250A

Switch Disconnector 250A 3 Pole = YA3B3P250D 250A 4 Pole = YA3B4P250D Or any YA3 Frame MCCB up to 250A

Step 3: Select Meter

Panel Mounted x 1
Cil-01

Ci3-01 INT-1630-M-5-M-110 Panel Mounted x 1

Ci1-01 Ci3-01 INT-1630-M-5-M-110

**Step 3:** Select Meter Enclosure

Enclosure x 1

DBMSB

General Purpose Enclosure Enclosure x 1

DBXYA3 YA3 Incoming Device Enclosure

Step 4: Select Current Transformer

3-in-1 CT x 1

M3N1-35-100/5 100A Or M3N1-35-125/5 125A 3-in-1 CT x 1

M3N1-35-200/5 200A Or M3N1-35-250/5 250A

**Step 5:** Select Wiring Loom

Wiring Loom Kit x 1

4 to 16 Way board = DBXW16 20 to 24 Way board = DBXW24

**Step 6:** Direct Connection Kits

Terminal Connection Kits

Main AV Incomer mounted in board = DBXD0 x 1

Main AV Incomer mounted in DBMSB = DBXD0 x 2

**Terminal Connection Kits** 

Main YA3 Incomer mounted in DBXYA3 = DBXD0 x 1

Step 7: Select Outgoing Devices

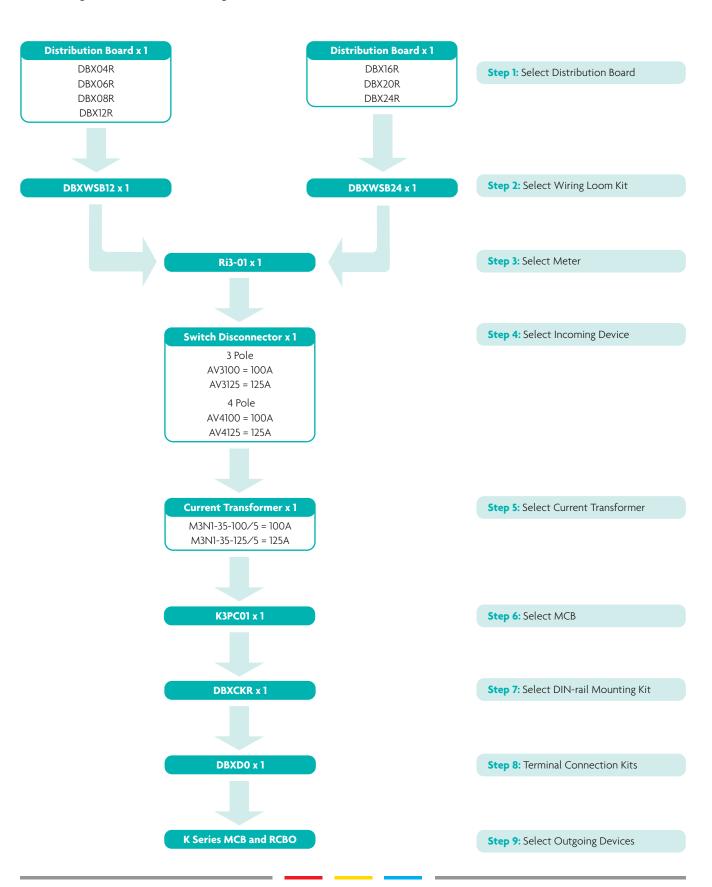
K Series MCB and RCBO



# B-Type TP&N Distribution boards Meter Selection Chart Integral Ri3-01 Meter

Loadlimiter 63

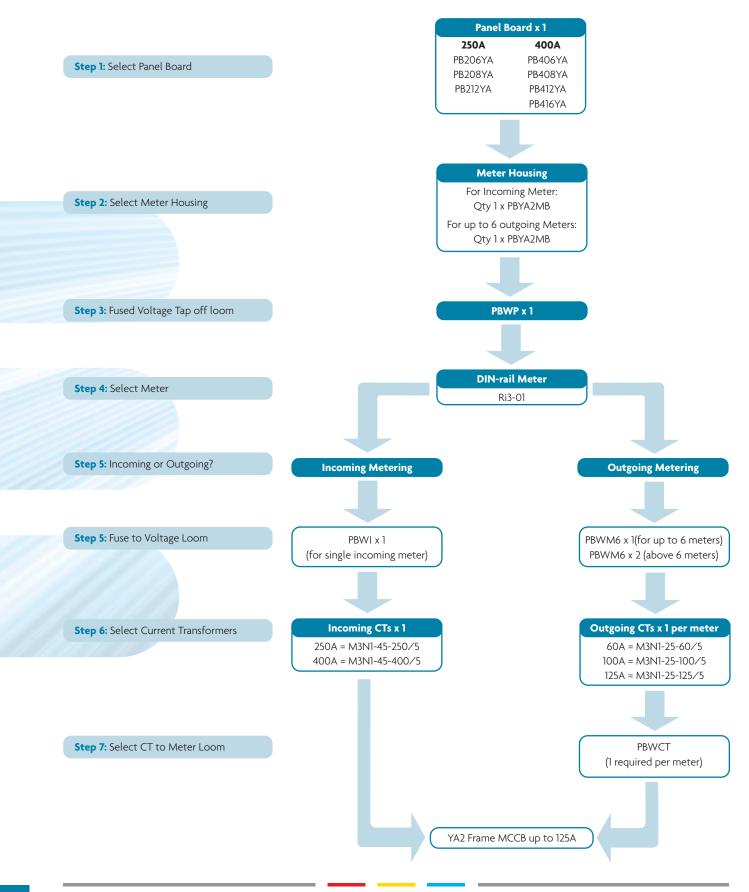
Result: Single TP&N Board with integral DIN-rail mounted Ri3-01 Meter





## Metering Selection Chart

### Loadbank 125 MCCB Panel Boards 250A and 400A



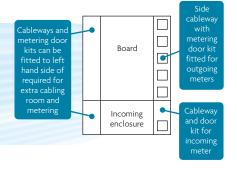


### Loadbank 200

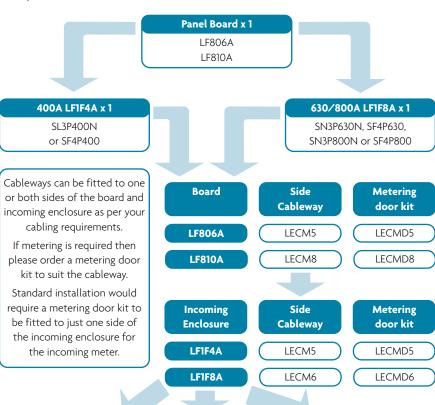
Fuse Switch Panel Boards 800A Form 2 & 4 50kA for 1 second

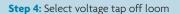
#### Step 1: Select Panel Board

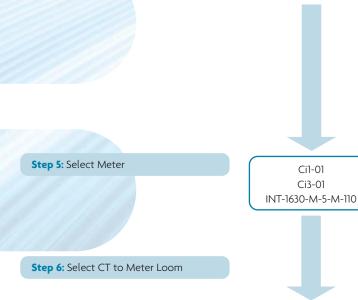
- Step 2: Select incoming enclosure and incoming device
- Step 3: Select matching cableways and cableway metering door kits as required



# **Metering Selection Chart** Ci1, Ci3 and INT-1630 Meters







**Step 8:** Select outgoing devices

Step 7: Select CT

### **Left Hand Cableway Outgoing** LBWP x 1

Up to 6 meters = LBWM6 x 1 6 to 12 meters = LBWM6 x 2

Ci1-01 Ci3-01 INT-1630-M-5-M-110

1 x LBWCT per meter

Qty 1 required per Meter: M3N1-35-100/5 M3N1-35-125/5 M3N1-35-160/5

M3N1-35-200/5 M3N1-35-250/5

**Right Hand Cableway Outgoing** LBWP x 1

> Up to 6 meters = LBWM6 x 1

6 to 12 meters = LBWM6 x 2

Ci1-01 Ci3-01 INT-1630-M-5-M-110

1 x LBWCT per meter

Qty 1 required per Meter: M3N1-35-100/5 M3N1-35-125/5 M3N1-35-160/5 M3N1-35-200/5 M3N1-35-250/5

Skeleton fuse switches up to 200A

**Incoming Meter** 

LBWI x 1

Ci1-01

Ci3-01

Qty 3 required per Meter:

M63N-400/5

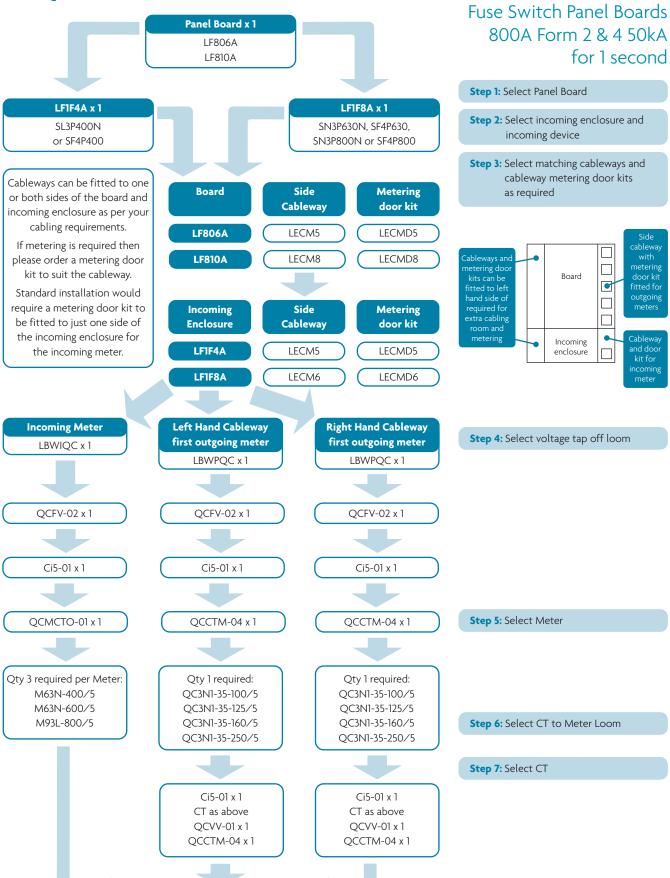
M63N-600/5

M93L-800/5



Loadbank 200

# Metering Selection Chart Ci5 Q2C Meter



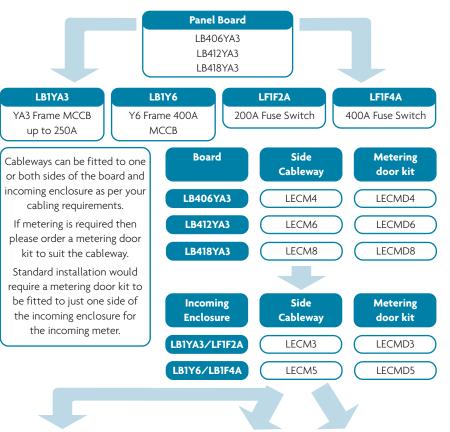
Step 8: Select outgoing devices

Skeleton fuse switches up to 200A



# Meter Selection Chart - 250A/400A Form 3 Panel Boards. Ci1. Ci3 and INT-1630 Meters

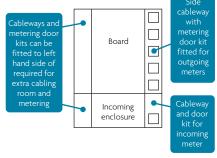
### Loadbank 250 400A MCCB Panel Boards Outgoing devices up to 250A



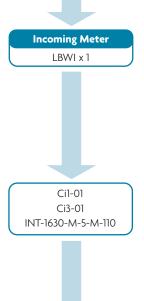
Step 2: Select incoming enclosure and matching incoming device

Step 1: Select Panel Board

Step 3: Select matching cableways and cableway metering door kits as required



**Step 4:** Select voltage tap off loom



### **Left Hand Cableway Outgoing**

LLBWP x 1

Up to 6 meters = LBWM6 x 1

6 to 12 meters = LBWM6 x 2

#### **Right Hand Cableway Outgoing**

LBWP x 1

Up to 6 meters = LBWM6 x 1

6 to 12 meters = LBWM6 x 2



Ci3-01 INT-1630-M-5-M-110

#### Step 5: Select Meter



1 x LBWCT per meter

Ci3-01

INT-1630-M-5-M-110

1 x LBWCT per meter

Step 6: Select CT to Meter Loom

Qty 3 required per Meter: M53I-200/5 M53I-250/5 M63N-400/5

Qty 1 required per Meter: M3N1-35-100/5

M3N1-35-125/5 M3N1-35-160/5

M3N1-35-200/5 M3N1-35-250/5

Qty 1 required per Meter: M3N1-35-100/5 M3N1-35-125/5

> M3N1-35-160/5 M3N1-35-200/5

M3N1-35-250/5

YB3 frame MCCB up to 250A

Step 7: Select CT

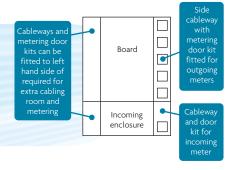
Step 8: Select outgoing devices



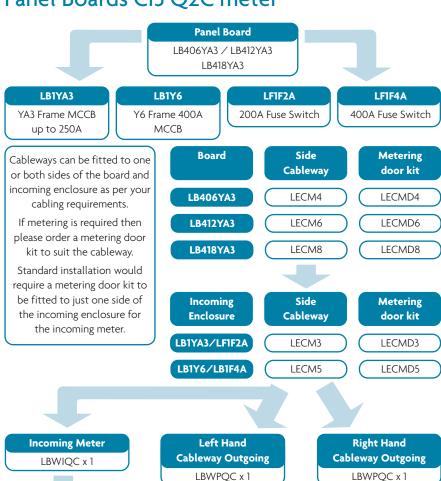
### Loadbank 250 400A MCCB Panel Boards Outgoing devices up to 250A

#### Step 1: Select Panel Board

- Step 2: Select incoming enclosure and incoming device
- Step 3: Select matching cableways and cableway metering door kits as required



# Meter Selection Chart - 250A/400A Form 3 Panel Boards Ci5 O2C meter





**Step 5:** Select fuse to voltage loom

Step 6: Select Meter

**Step 7:** Select CT to Meter Loom

Step 8: Select CT

**Step 9:** Items required for each additional outgoing meter required

Step 10: Select outgoing devices

LBWPQC x 1

QCFV-02 x 1

Ci5-01 x 1

OCCTM-04 x 1

Qty 1 required: QC3N1-35-100/5 QC3N1-35-125/5 QC3N1-35-160/5 QC3N1-35-250/5

> Ci5-01 x 1 CT as above

QCVV-01 x 1 QCCTM-04 x 1

Ci5-01 x 1 CT as above QCVV-01 x 1 QCCTM-04 x 1

QCFV-02 x 1

Ci5-01 x 1

QCCTM-04 x 1

Qty 1 required:

QC3N1-35-100/5

QC3N1-35-125/5

QC3N1-35-160/5

QC3N1-35-250/5

YB3 frame MCCB up to 250A

QCFV-02 x 1

Ci5-01 x 1

OCMCTO-01 x 1

Qty 3 required per Meter:

M53J-200/5

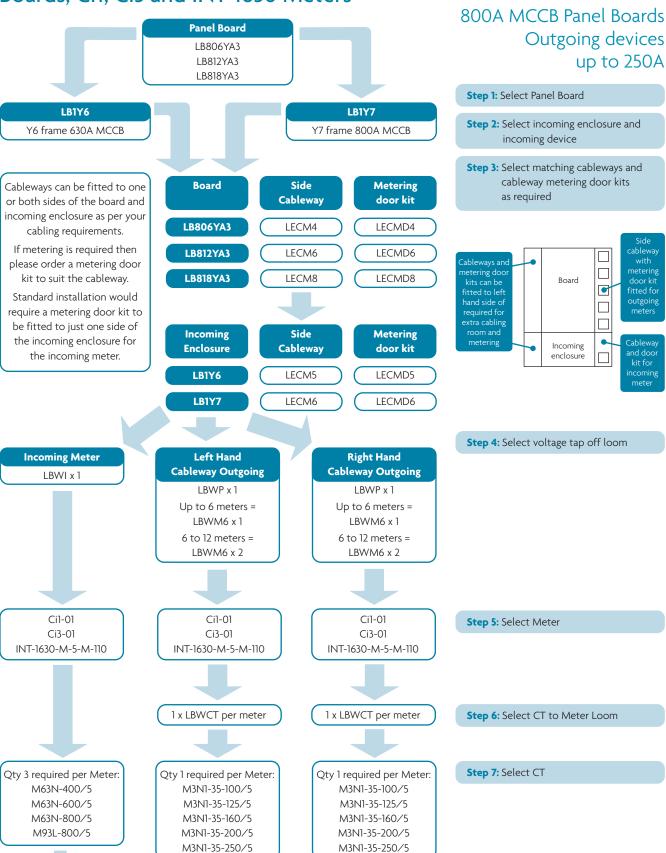
M53J-250/5

M63N-400/5



# Meter Selection Chart - 800A Form 3 Panel Boards, Ci1. Ci3 and INT-1630 Meters

# Loadbank 250 Outgoing devices



Step 8: Select outgoing devices

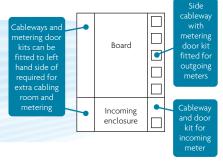
YB3 frame MCCB up to 250A



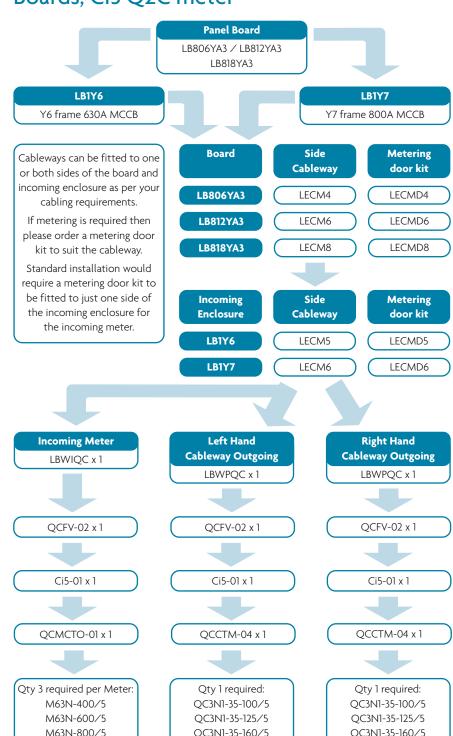
### Loadbank 250 800A MCCB Panel Boards Outgoing devices up to 250A

#### Step 1: Select Panel Board

- Step 2: Select incoming enclosure and incoming device
- Step 3: Select matching cableways and cableway metering door kits as required



# Meter Selection Chart - 800A Form 3 Panel Boards. Ci5 O2C meter



**Step 5:** Select fuse to voltage loom

**Step 4:** Select voltage tap off loom

Step 6: Select Meter

**Step 7:** Select CT to Meter Loom

Step 8: Select CT

**Step 9:** Items required for each additional outgoing meter required

Step 10: Select outgoing devices

QC3N1-35-160/5 QC3N1-35-250/5

Ci5-01 x 1 CT as above QCVV-01 x 1 QCCTM-04 x 1

QC3N1-35-160/5 QC3N1-35-250/5

> Ci5-01 x 1 CT as above QCVV-01 x 1 QCCTM-04 x 1

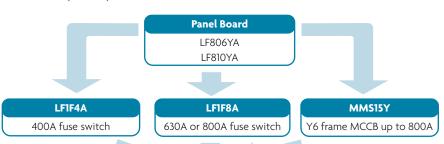
YB3 frame MCCB up to 250A

M93L-800/5



# Meter Selection Chart - 800A Form 4 Panel Boards, Ci1. Ci3 and INT-1630 Meters

### Loadbank 250 400A and 800A MCCB Panel Boards, Outgoing devices up to 250A



LF810YA

**Incoming** 

**Enclosure** 

LF1F4A

LF1F8A

MMS15Y

Step 1: Select Panel Board

Step 2: Select incoming enclosure and incoming device

Step 3: Select matching cableways and cableway metering door kits as required

Cableways can be fitted to one or both sides of the board and incoming enclosure as per your cabling requirements.

If metering is required then please order a metering door kit to suit the cableway.

Standard installation would require a metering door kit to be fitted to just one side of the incoming enclosure for the incoming meter.

**Board** Metering door kit **Cableway** LF806YA LECM5 LECMD5

**Cableway** 

LECM8 LECMD8

Metering door kit

LECM5 LECMD5 LECM8 LECMD8 LECM5 LECMD5 Cableways and metering door kits can be Board • hand side of room and Incoming and doc kit for enclosure

**Step 4:** Select voltage tap off loom

### **Incoming Meter**

LBWI x 1

### Left Hand **Cableway Outgoing** LBWP x 1

Up to 6 meters = LBWM6 x 1 6 to 12 meters = LBWM6 x 2

**Right Hand Cableway Outgoing** 

LBWP x 1 Up to 6 meters = LBWM6 x 1 6 to 12 meters = LBWM6 x 2



Step 5: Select Meter

Ci3-01 INT-1630-M-5-M-110

Ci1-01 Ci3-01 INT-1630-M-5-M-110

1 x LBWCT per meter

Ci1-01 Ci3-01 INT-1630-M-5-M-110

1 x LBWCT per meter

Step 6: Select CT to Meter Loom

Qty 3 required per Meter: M63N-400/5 M63N-600/5 M93L-800/5

Qty 1 required per Meter: M3N1-35-100/5 M3N1-35-125/5 M3N1-35-160/5 M3N1-35-200/5 M3N1-35-250/5

Qty 1 required per Meter: M3N1-35-100/5 M3N1-35-125/5 M3N1-35-160/5 M3N1-35-200/5 M3N1-35-250/5

Step 7: Select CT

YB3 frame MCCB up to 250A

Step 8: Select outgoing devices

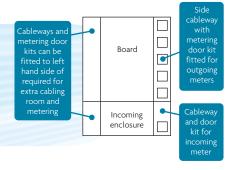


### Loadbank 250 800A MCCB Panel Boards Outgoing devices up to 250A

#### Step 1: Select Panel Board

Step 2: Select incoming enclosure and incoming device

Step 3: Select matching cableways and cableway metering door kits as required



# Meter Selection Chart - 800A Form 4 Panel Boards. Ci5 O2C meter

### Panel Board x 1 LF806YA LF810YA

#### LF1F4A

400A fuse switch

### LF1F8A

630A or 800A fuse switch

#### MMS15Y

Y6 frame MCCB up to 800A

Cableways can be fitted to one or both sides of the board and incoming enclosure as per your cabling requirements.

If metering is required then please order a metering door kit to suit the cableway.

Standard installation would require a metering door kit to be fitted to just one side of the incoming enclosure for the incoming meter.

**Incoming Meter** 

LBWIQC x 1

QCFV-02 x 1

Ci5-01 x 1

OCMCTO-01 x 1

#### **Board** Side **Cableway**

LECM5

Metering door kit

LECMD5

LECM8

LECMD8

### **Incoming Enclosure**

LF806YA

LF810YA

**Cableway** 

Metering door kit

LF1F4A

LECM5

LECMD5

LF1F8A MMS15Y LECM8 LECM5 LECMD8 LECMD5

**Step 4:** Select voltage tap off loom

**Step 5:** Select fuse to Voltage loom

Step 6: Select Meter

Step 7: Select CT to Meter Loom

Step 8: Select CT

**Step 9:** Items required for each additional outgoing meter required

Step 10: Select outgoing devices

#### **Left Hand Cableway Outgoing**

LBWPQC x 1

QCFV-02 x 1

Ci5-01 x 1

OCCTM-04 x 1

Qty 3 required per Meter: M63N-400/5 M63N-600/5 M93L-800/5

Qty 1 required: QC3N1-35-100/5 QC3N1-35-125/5 QC3N1-35-160/5

QC3N1-35-250/5

Ci5-01 x 1 CT as above QCVV-01 x 1

QCCTM-04 x 1

**Right Hand Cableway Outgoing** 

LBWPQC x 1

QCFV-02 x 1

Ci5-01 x 1

QCCTM-04 x 1

Qty 1 required: QC3N1-35-100/5 QC3N1-35-125/5 QC3N1-35-160/5 QC3N1-35-250/5

Ci5-01 x 1 CT as above QCVV-01 x 1 QCCTM-04 x 1

YB3 frame 3 Pole MCCB with YA3NL neutral link or YB3 frame 4 Pole MCCB