



# Panelboards and Loadcentres

Easy Selection Guide

POWER DISTRIBUTION AND PROTECTION



A panelboard is a distribution centre for the electrical circuits within an installation. The mains power comes in and is divided into the sub circuits. When selecting a panelboard, you need an understanding of the number of circuits and the circuit breakers that are going to protect those circuits. There are also other factors, such as the environment of the installation and any accessories that may be needed.

There are seven steps involved in selecting the right panelboard option.

# step 1

## STEP 1: Select the breaker type:

### DIN-mount Miniature Circuit Breakers (MCB)



MOD6



Din-T

### NEMA Style



Safe-T

Most times DIN Miniature Circuit Breakers will be used, however if a contractor is replacing or adding to an existing building, they may require the NEMA style breakers and boards. Panelboards are sold as MOD6, Din-T or Safe-T and come with the correct busbar chassis to accommodate the chosen breaker style.

# step 2

## STEP 2: What is the chassis size?

As mentioned, a panelboard distributes sub circuits, so it is important to know how many circuits are required for the installation. Each circuit requires a circuit breaker to be mounted to the chassis; we refer to this as a pole or a way. Boards are sized by the number of poles required. You need to choose between a 24 pole, 36 pole, 48 pole, 60 pole, 72 pole or 96 pole board.



24 Pole chassis

# step 3

## STEP 3: Mainswitch?

Select whether a mainswitch is required. Sometimes the installer may choose to isolate the board from a circuit breaker or mainswitch in another location. If this is the case, choose "No mainswitch" for the board.

**Note:** The terms "isolator" and "mainswitch" are similar devices, they describe a device that is used only to remove power to the board. Isolators do not provide overload or short-circuit protection, circuit breakers are used for that purpose



Isolator



MCCB

Standard mainswitch options are 160A or 250A isolator, 160A or 200A MCCB

# step 4

## STEP 4: Type of board:

Choose the range of board required to suit the application and environment.

Concept One	Concept Plus	Concept Premier	Concept Tough
<ul style="list-style-type: none"> <li>• Domestic</li> <li>• Commercial limited options</li> <li>• MOD6 or Din-T</li> </ul>	<ul style="list-style-type: none"> <li>• IP42, IP52 option, indoor applications</li> <li>• Commercial or industrial</li> <li>• DIN-T only</li> </ul>	<ul style="list-style-type: none"> <li>• Weatherproof IP66</li> <li>• Industrial</li> <li>• Mild or stainless steel</li> <li>• DIN-T or MCCBs</li> <li>• Deeper enclosures</li> </ul>	<ul style="list-style-type: none"> <li>• Weatherproof IP66</li> <li>• Mining</li> <li>• Mild or stainless steel</li> <li>• DIN-T or MCCBs</li> <li>• Rainhood as standard</li> <li>• Deeper enclosures</li> </ul>

# step 5

## STEP 5: Colour options:

The colour option describes the look of the panelboard, externally. Standard base/door combinations available are:

Ral7035 light grey (Concept One only)

N42 storm grey or X15 Orange

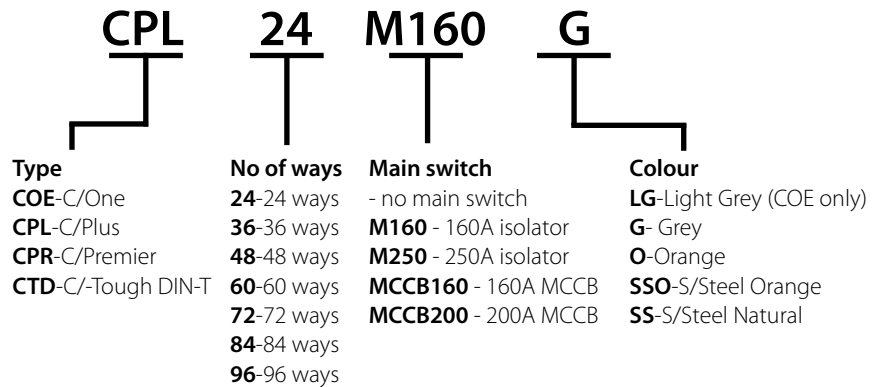
Natural (stainless version only)



**Note:** The paint options are flexible in the Concept range, but must be specified when ordering the board if it's a non-standard colour.

# step 6

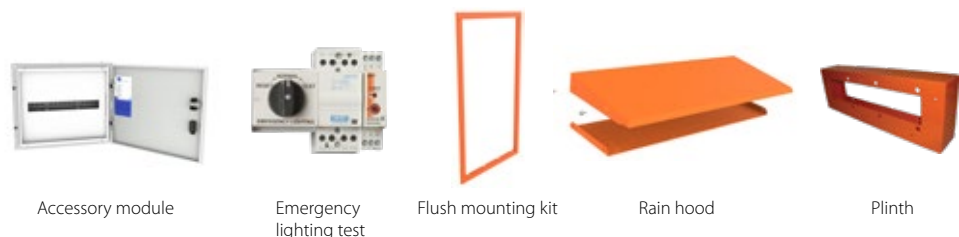
## STEP 6: Catalogue number configuration:



# step 7

## STEP 7: Other options:

Once the basic layout and look of the board has been selected, we then choose options to be included. Some of the more common options include:



Accessory module

Emergency lighting test

Flush mounting kit

Rain hood

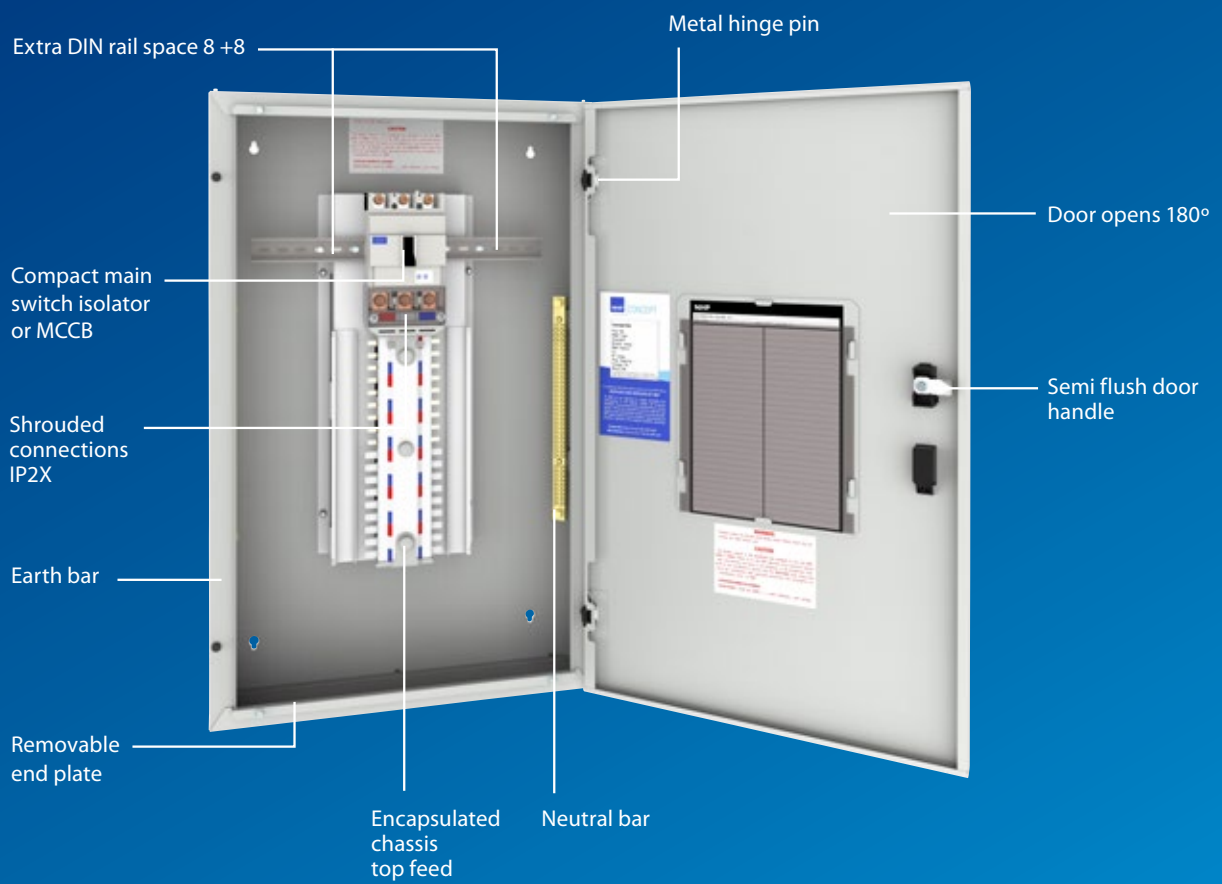
Plinth

## Panelboard features:

Series	Concept One COE	Concept Plus CPL	Concept Premier CPR	Concept Tough CTD
<b>IP rating (option)</b>	IP40	IP42 (IP52)	IP66	IP66
<b>Width</b>	530mm	600mm	600mm	800mm
<b>Depth (including door)</b>	153mm	200mm	240mm	300mm
<b>Mild steel colours</b>	Light grey RAL7035	N42 Storm grey X15 Orange	N42 Storm grey X15 Orange	X15 Orange
<b>Stainless steel colours</b>	-	-	X15 Orange Natural (No4)	X15 Orange Natural (brushed)
<b>Material mild steel</b>	1mm	1.6mm	1.6mm	2.0mm
<b>316 stainless steel</b>	-	-	1.6mm	2.0mm
<b>MCB type</b>	MOD6/ DIN-T	DIN-T	DIN-T	DIN-T
<b>MCB chassis type</b>	Encapsulated	NC encapsulated GB-Isolation option	NC encapsulated GB-Isolation option	NC encapsulated GB-Isolation option
<b>MCB chassis rating</b>	250A	250A, 400A	250A, 400A	250A, 400A
<b>MCB pole capacity</b>	24-84	24-96	24-96	24-96
<b>Spare horizontal DIN spaces</b>	16	18	18	18
<b>Isolator main switch</b>	160A, 250A	160A, 250A, 400A	160A, 250A, 400A	160A, 250A, 400A
<b>MCCB main switch</b>	160A, 200A	160A, 200A, 300A	160A, 200A, 300A	160A, 200A, 300A
<b>MCCB type (Terasaki)</b>	-	-	125AF, 250AF	125AF, 250AF
<b>MCCB chassis type</b>	-	-	XA, XB	XA, XB
<b>MCCB chassis rating</b>	-	-	630A, 800A	630A, 800A
<b>MCCB pole capacity</b>	-	-	6-72	6-72
<b>Door hinged</b>	RH	RH	RH	RH
<b>Escutcheon hinged</b>	No	Standard	Standard	Standard
<b>White escutcheon</b>	Standard	Standard	Standard	Standard
<b>Door handle</b>	Semi flush swing handle	Semi flush swing handle	Semi flush swing handle	L Handle
<b>3 Point locking</b>	-	Option	Standard	Standard
<b>Door lock CL001</b>	Standard	Standard	Standard	-
<b>Door lock 92268</b>	Option	Option	Option	-
<b>Door lock non-locking</b>	Option	Option	Option	-
<b>PWD lock "E-Lock"</b>	Option	Option	Option	-
<b>Pad lockable</b>	Option	Option	Option	Standard
<b>Special colours</b>	Special order	Special order	Special order	Special order
<b>Rainhood cover</b>	-	-	Option	Standard
<b>Plinth</b>	-	Option	Option	Option
<b>Flush mounting kit</b>	Option	Option	Option	-
<b>Wall mounting brackets</b>	-	Option	Option	Standard
<b>Removable gland-plates</b>	Option	Standard	Standard	Standard
<b>Gland-plates brass/aluminium</b>	-	Option	Option	Aluminium standard

# Concept One

The essential panelboard - for MOD6 or DIN-T MCBs



## Concept One



- IP40
- 1.0mm steel
- Colour: RAL 7035 oyster grey
- 250A busbar rating
- Suits MOD6 or Din-T MCBs and RCBOs

### Panelboards

Pole Capacity	Model Size	Height (mm)	No Main Switch Catalogue No.	160A Main Switch Catalogue No.	250A Main Switch Catalogue No.	160A MCCB Catalogue No.	200A MCCB Catalogue No.
24	3	648	COE-24-LG	COE-24M160-LG	COE-24M250-LG	COE-24MCCB160-LG	COE-24MCCB200-LG
36	4	864	COE-36-LG	COE-36M160-LG	COE-36M250-LG	COE-36MCCB160-LG	COE-36MCCB200-LG
48	4	864	COE-48-LG	COE-48M160-LG	COE-48M250-LG	COE-48MCCB160-LG	COE-48MCCB200-LG
60	5	1080	COE-60-LG	COE-60M160-LG	COE-60M250-LG	COE-60MCCB160-LG	COE-60MCCB200-LG
84	6	1296	COE-84-LG	COE-84M160-LG	COE-84M250-LG	COE-84MCCB160-LG	COE-84MCCB200-LG

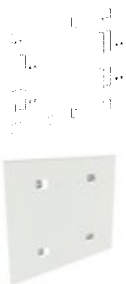
Width 530mm Depth 153mm includes door (20mm)

### Accessories

Item	Pole Capacity	Module Size	Height (mm)	Catalogue No.
Accessory modules	21	2	432	COEACC-21-LG
	42	2	432	COEACC-42-LG
	63	3	648	COEACC-63-LG

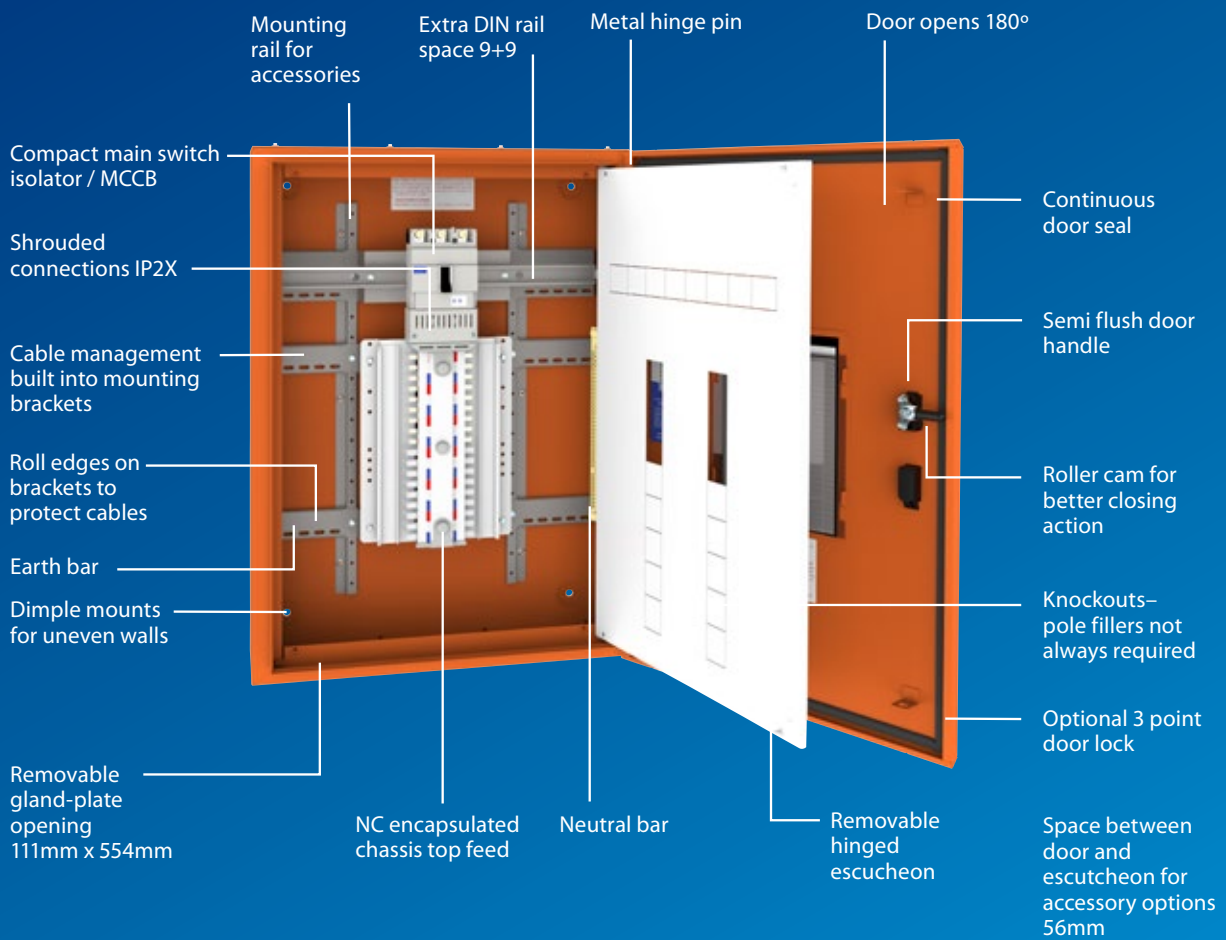
#### Accessory module-blank escutcheon

Flush kits	-	2	432	COEACC-3ME-LG
	-	3	648	COEACC-3ME-LG
		3	648	COEFK-3MLG
		4	864	COEFK-4MLG
		5	1080	COEFK-5MLG
		6	1296	COEFK-6MLG
Gear trays		2	432	COEGT-2M
		3	648	COEGT-3M



# Concept Plus

The multi-purpose panelboard - for DIN-T MCBs



## Concept Plus

### Standard panelboard - CPL

NC 250A busbar chassis top feed 3P



### Isolation panelboard - CPLG

Isolation chassis GB 250A busbar chassis top feed 3P,  
Busbar tee-off can be isolated prior to fitting or removing MCBs



### X-Row panelboard - CPLX

Extra row 24 poles of DIN at bottom of  
board for general DIN accessories



### Energy metering panelboard - CPLMS

Single energy meter monitoring total panelboard  
consumption



### Dual energy metering panelboard - CPLMD

Dual energy meter monitoring Light and  
power circuits separately



### For other options contact NHP

- Splits chassis for load shedding or metering
- 400 A chassis
- Hybrid chassis suits 80-125A MCBs and 0.5-63A MCBs
- Other main switch options
- Surge protection
- Emergency lighting control

CPL panelboards are available in either grey or orange options.

CPL panelboards can be fitted with 160A or 250A isolator main switch or 160A or 200A MCCB main switch.\*

\*excludes metering CPLM panelboards



## Concept Plus



- IP42 (optional IP52 kit)
- 1.6mm steel
- 250A busbar rating (optional 400A)
- Grey or orange
- Hinged escutcheon
- Suits Din-T MCB and RCDs
- Full range of accessory modules
- Built in cable management

### Colour Grey

Pole Capacity	Module Size	Height (mm)	No Main Switch Catalogue No.	160A Main Switch Catalogue No.	250A Main Switch Catalogue No.	160A MCCB Catalogue No.	200A MCCB Catalogue No.
24	3	648	CPL-24-G	CPL-24M160-G	CPL-24M250-G	CPL-24MCCB160-G	CPL-24MCCB200-G
36	4	864	CPL-36-G	CPL-36M160-G	CPL-36M250-G	CPL-36MCCB160-G	CPL-36MCCB200-G
48	4	864	CPL-48-G	CPL-48M160-G	CPL-48M250-G	CPL-48MCCB160-G	CPL-48MCCB200-G
60	5	1080	CPL-60-G	CPL-60M160-G	CPL-60M250-G	CPL-60MCCB160-G	CPL-60MCCB200-G
72	6	1296	CPL-72-G	-	CPL-72M250-G	CPL-72MCCB160-G	CPL-72MCCB200-G
84	6	1296	CPL-84-G	-	CPL-84M250-G	CPL-84MCCB160-G	CPL-84MCCB200-G
96	7	1512	CPL-96-G	-	CPL-96M250-G	CPL-96MCCB160-G	CPL-96MCCB200-G

### Colour Orange

Pole Capacity	Module Size	Height (mm)	No Main Switch Catalogue No.	160A Main Switch Catalogue No.	250A Main Switch Catalogue No.	160A MCCB Catalogue No.	200A MCCB Catalogue No.
24	3	648	CPL-24-O	CPL-24M160-O	CPL-24M250-O	CPL-24MCCB160-O	CPL-24MCCB200-O
36	4	864	CPL-36-O	CPL-36M160-O	CPL-36M250-O	CPL-36MCCB160-O	CPL-36MCCB200-O
48	4	864	CPL-48-O	CPL-48M160-O	CPL-48M250-O	CPL-48MCCB160-O	CPL-48MCCB200-O
60	5	1080	CPL-60-O	CPL-60M160-O	CPL-60M250-O	CPL-60MCCB160-O	CPL-60MCCB200-O
72	6	1296	CPL-72-O	-	CPL-72M250-O	CPL-72MCCB160-O	CPL-72MCCB200-O
84	6	1296	CPL-84-O	-	CPL-84M250-O	CPL-84MCCB160-O	CPL-84MCCB200-O
96	7	1512	CPL-96-O	-	CPL-96M250-O	CPL-96MCCB160-O	CPL-96MCCB200-O

Width 600mm Depth 200mm includes door (20mm)

## Concept Plus Accessories



Pole Capacity	Module Size	Height (mm)	Catalogue No. Grey	Catalogue No. Orange
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### DIN Cut-out

24	2	432	CPLACC-24-G	CPLACC-24-O
48	2	432	CPLACC-48-G	CPLACC-48-O
72	3	648	CPLACC-72-G	CPLACC-72-O

### With-out Escutcheon

-	2	432	CPLACC-2M-G	CPLACC-2M-O
-	3	648	CPLACC-3M-G	CPLACC-3M-O

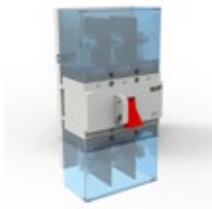
### With Blank Escutcheon

-	2	432	CPLACC-2ME-G	CPLACC-2ME-O
-	3	648	CPLACC-3ME-G	CPLACC-3ME-O
-	4	864	CPLACC-4ME-G	CPLACC-4ME-O
-	5	1080	CPLACC-5ME-G	CPLACC-5ME-O
-	6	1296	CPLACC-6ME-G	CPLACC-6ME-O
-	7	1512	CPLACC-7ME-G	CPLACC-7ME-O
-	8	1728	CPLACC-8ME-G	CPLACC-8ME-O
-	9	1944	CPLACC-9ME-G	CPLACC-9ME-O

### Gear Trays

Description	Module Size	Height (mm)	Catalogue No.
White gear tray	0.5	108	CELAGMS05
White gear tray	1	216	CELAGMS1
White gear tray	2	432	CELAGMS2
White gear tray	3	648	CELAGMS3

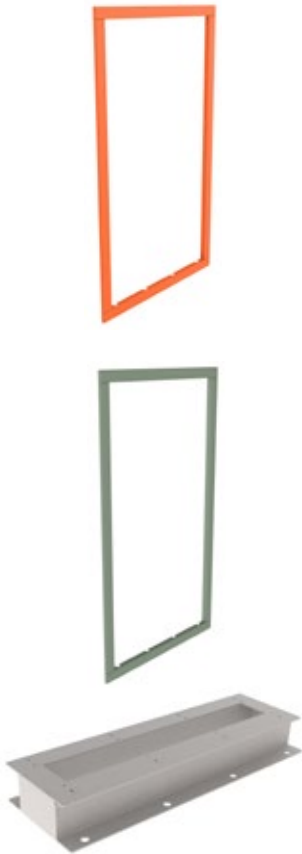
## Concept Plus Accessories



Description	Catalogue No.
<b>Main-Switch Kits</b>	
Isolator switch kit 160A 3P	CEL3160
Isolator switch kit 250A 3P	CEL3250
MCCB S160NJ main switch kit 3P-NC (Adjustable 100-160A)	CELMCCB3160
MCCB S250NJ main switch kit 3P-NC (Adjustable 160-200A)	CELMCCB3200
MCCB S160NJ main switch kit 3P-GB (Adjustable 100-160A)	CELMCCB3160GB
MCCB S250NJ main switch kit 3P-GB (Adjustable 160-200A)	CELMCCB3200GB
<b>General Accessories</b>	
IP52 kit	CPLEIP52M*
Emergency lighting test kit rotary switch (pre wired)	CPELK1W
Emergency lighting test kit key switch	CPELK2
External light control kit on-off-auto 1CH 2N/O 25A	CECEXTLKC
External light control kit on-off-auto 1CH 2N/O 25A	CECEXTLK1
External light control kit on-off-auto 2CH 2N/O 25A	CECEXTLK2
Surge kit 40KA MCB + surge type 2 + loom	CECSURGEK1
Safety service mechanical separation kit 1P	SSE1
Safety service mechanical separation kit 2P	SSE2
Safety service mechanical separation kit 3P	SSE3
Wall mounting kit grey	CELBMSSG
Wall mounting kit orange	CELBMSOR
7mm deep schedule card holder	CELACMSA4
<b>Gland Plates</b>	
Steel 1.6mm grey	CPLEGPMS1SG
Steel 1.6mm orange	CPLEGPMS1OR
Aluminium 3mm	CPLEGPAL3
Bakelite 5mm	CPLEGPBK5
Brass 3mm	CPLEGPBR3
Gasket	CPLEGGF
<b>Door Handles</b>	
Door swing handle CL001	CELHDSpsc
Door swing handle 92268	CELHDSps9
Door swing handle padlockable	CELHDSppp
Door swing handle E-Key "Pwd"	CELHDSpbe
Door swing handle non lockable	CELHDSzNKit
Door swing handle 7mm square	CELHDSzQ7Kit
Door handle cam roller	CELHCRP21C60

\* Insert module size e.g.: CPLEIP52M4 for 4 module

## Concept Plus Accessories



1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48

### Flush Mounting Kit

Module Size	Height (mm)	Catalogue No. Grey	Catalogue No. Orange
2	432	CELAFK-2-SG	CELAFK-2-OR
3	648	CELAFK-3-SG	CELAFK-3-OR
4	864	CELAFK-4-SG	CELAFK-4-OR
5	1080	CELAFK-5-SG	CELAFK-5-OR
6	1296	CELAFK-6-SG	CELAFK-6-OR
7	1512	CELAFK-7-SG	CELAFK-7-OR
8	1728	CELAFK-8-SG	CELAFK-8-OR
9	1944	CELAFK-9-SG	CELAFK-9-OR

### Plinth

Description	Catalogue No.
Plinth single 75mm hot dipped gal	CPLAP-S-GAL
Plinth double 75mm hot dipped gal	CPLAP-D-GAL
Plinth triple 75mm hot dipped gal	CPLAP-T-GAL

### Escutcheons Labels

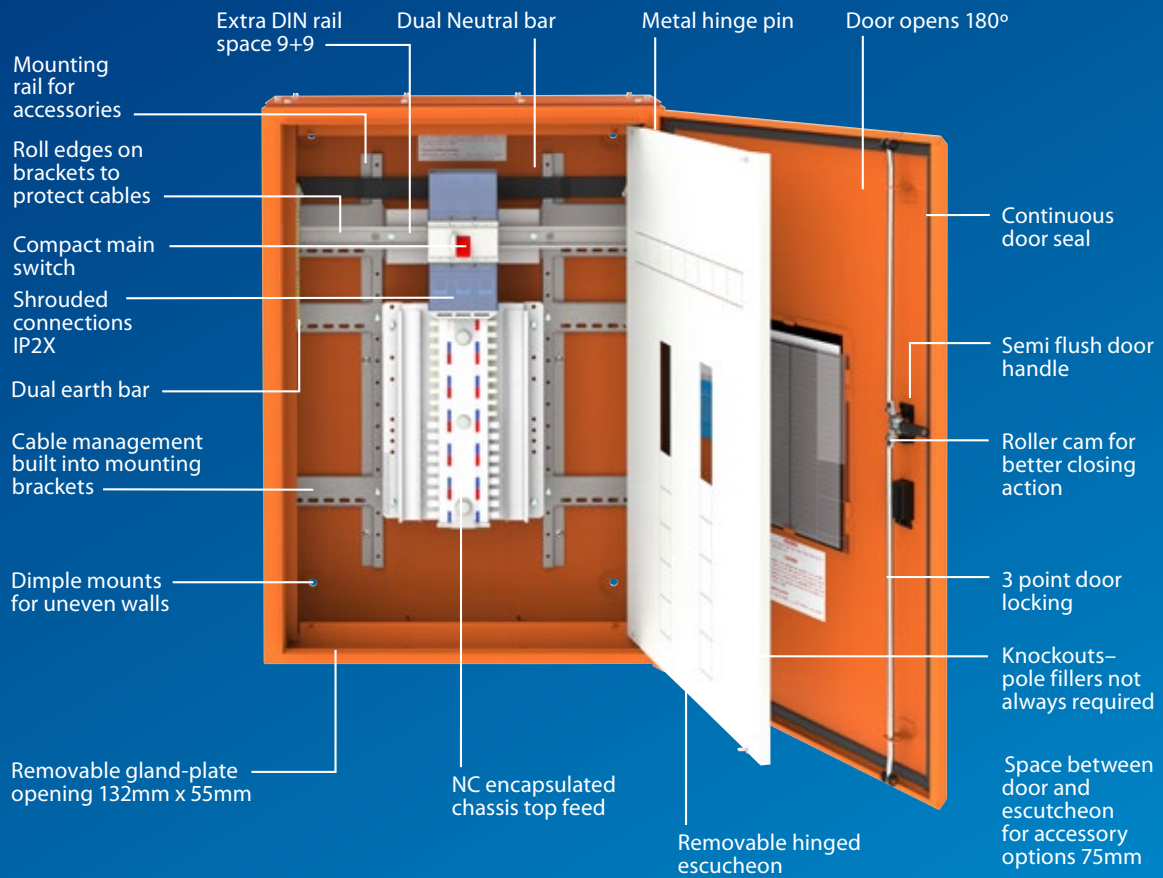
Description	Catalogue No.
DIN 1-48 way (18mm pitch)	LABLEG148D
DIN 49-96 way (18mm pitch)	LABLEG4996D
DIN 97-144 way (18mm pitch)	390.00007
DIN 1-24 way (27mm pitch)	390.00006

### Locking Rods

Locking rod to suit 3M 648mm	CELDLR3MS
Locking rod to suit 4M 864mm	CELDLR4MS
Locking rod to suit 5M 1080mm	CELDLR5MS
Locking rod to suit 6M 1296mm	CELDLR6MS
Locking rod to suit 7M 1512mm	CELDLR7MS
Locking rod to suit 8M 1728mm	CELDLR8MS
Locking rod to suit 9M 1944mm	CELDLR9MS

# Concept Premier

The premium panelboard - for DIN-T MCB and MCCB



## Concept Premier

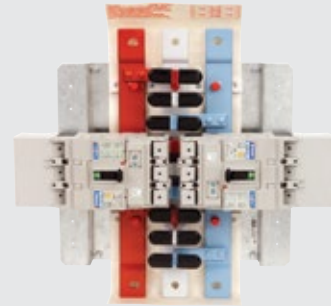
### Standard panelboard - CPR

NC 250A busbar chassis top feed 3P



### MCCB panelboard\*

MCCB chassis busbar chassis suits Terasaki MCCBs



### Isolation chassis panelboard\*

Isolation chassis GB 250A busbar chassis top feed 3P, Busbar tee-off can be isolated prior to fitting or removing MCB  
Captive locking mechanism option



### 400A MCB chassis\*

400A MCB chassis no main-switch, isolator or circuit breaker  
MCCB main-switch options.



### Captive locking panelboard LOCKDIN\*

Escutcheon cut-out suitable for MCB captive locking system "LOCKDIN"



### For other options contact NHP

- 800A MCCB chassis suit 250AF MCCBs
- Hybrid chassis for MCCB to suit 125AF, 160AF and 250AF MCCBs
- Single sided MCCB chassis options
- Hybrid chassis suits 80-125A MCBs and 0.5-63A MCBs
- Surge protection
- Emergency lighting control

CPR panelboards are available in either grey, orange, orange stainless steel or natural stainless steel options.

CPR panelboards can be fitted with 160A or 250A isolator main switch or 160A or 200A MCCB main switch.\*\*

\*Made to order contact NHP

\*\*Excludes MCCB chassis panelboards

## Concept Premier



- IP66
- 1.6mm steel
- Fully welded construction
- Hinged escutcheon standard
- Door handle 3 point locking
- Suits Din-T MCB and RCDs
- MCCB chassis option
- Dual earth and neutral bars fitted
- Full range of accessory modules available (432mm to 1944mm)
- Stainless enclosure option
- Grey or orange

### Colour: grey

Pole Capacity	Module Size	Height (mm)	No Main Switch Catalogue No.	160A Main Switch Catalogue No.	250A Main Switch Catalogue No.	160A MCCB Catalogue No.	200A MCCB Catalogue No.
24	3	648	<b>CPR-24-G</b>	<b>CPR-24M160-G</b>	<b>CPR-24M250-G</b>	<b>CPR-24MCCB160-G</b>	<b>CPR-24MCCB200-G</b>
36	4	864	<b>CPR-36-G</b>	<b>CPR-36M160-G</b>	<b>CPR-36M250-G</b>	<b>CPR-36MCCB160-G</b>	<b>CPR-36MCCB200-G</b>
48	4	864	<b>CPR-48-G</b>	<b>CPR-48M160-G</b>	<b>CPR-48M250-G</b>	<b>CPR-48MCCB160-G</b>	<b>CPR-48MCCB200-G</b>
60	5	1080	<b>CPR-60-G</b>	<b>CPR-60M160-G</b>	<b>CPR-60M250-G</b>	<b>CPR-60MCCB160-G</b>	<b>CPR-60MCCB200-G</b>
72	6	1296	<b>CPR-72-G</b>	-	<b>CPR-72M250-G</b>	<b>CPR-72MCCB160-G</b>	<b>CPR-72MCCB200-G</b>
84	6	1296	<b>CPR-84-G</b>	-	<b>CPR-84M250-G</b>	<b>CPR-84MCCB160-G</b>	<b>CPR-84MCCB200-G</b>
96	7	1512	<b>CPR-96-G</b>	-	<b>CPR-96M250-G</b>	<b>CPR-96MCCB160-G</b>	<b>CPR-96MCCB200-G</b>

### Colour: orange

Pole Capacity	Module Size	Height (mm)	No Main Switch Catalogue No.	160A Main Switch Catalogue No.	250A Main Switch Catalogue No.	160A MCCB Catalogue No.	200A MCCB Catalogue No.
24	3	648	<b>CPR-24-O</b>	<b>CPR-24M160-O</b>	<b>CPR-24M250-O</b>	<b>CPR-24MCCB160-O</b>	<b>CPR-24MCCB200-O</b>
36	4	864	<b>CPR-36-O</b>	<b>CPR-36M160-O</b>	<b>CPR-36M250-O</b>	<b>CPR-36MCCB160-O</b>	<b>CPR-36MCCB200-O</b>
48	4	864	<b>CPR-48-O</b>	<b>CPR-48M160-O</b>	<b>CPR-48M250-O</b>	<b>CPR-48MCCB160-O</b>	<b>CPR-48MCCB200-O</b>
60	5	1080	<b>CPR-60-O</b>	<b>CPR-60M160-O</b>	<b>CPR-60M250-O</b>	<b>CPR-60MCCB160-O</b>	<b>CPR-60MCCB200-O</b>
72	6	1296	<b>CPR-72-O</b>	-	<b>CPR-72M250-O</b>	<b>CPR-72MCCB160-O</b>	<b>CPR-72MCCB200-O</b>
84	6	1296	<b>CPR-84-O</b>	-	<b>CPR-84M250-O</b>	<b>CPR-84MCCB160-O</b>	<b>CPR-84MCCB200-O</b>
96	7	1512	<b>CPR-96-O</b>	-	<b>CPR-96M250-O</b>	<b>CPR-96MCCB160-O</b>	<b>CPR-96MCCB200-O</b>

Width 600mm Depth 240mm includes door (20mm)

## Concept Premier Accessory modules



Pole Capacity	Module Size	Height (mm)	Catalogue No. Grey	Catalogue No. Orange
<b>DIN Cut-out</b>				
24	2	432	CPRACC-24-G	CPRACC-24-O
48	2	432	CPRACC-48-G	CPRACC-48-O
72	3	648	CPRACC-72-G	CPRACC-72-O
<b>With-out Escutcheon</b>				
-	2	432	CPRACC-2M-G	CPRACC-2M-O
-	3	648	CPRACC-3M-G	CPRACC-3M-O
<b>With Blank Escutcheon</b>				
-	2	432	CPRACC-2ME-G	CPRACC-2ME-O
-	3	648	CPRACC-3ME-G	CPRACC-3ME-O
-	4	864	CPRACC-4ME-G	CPRACC-4ME-O
-	5	1080	CPRACC-5ME-G	CPRACC-5ME-O
-	6	1296	CPRACC-6ME-G	CPRACC-6ME-O
-	7	1512	CPRACC-7ME-G	CPRACC-7ME-O
-	8	1728	CPRACC-8ME-G	CPRACC-8ME-O
-	9	1944	CPRACC-9ME-G	CPRACC-9ME-O

Width 600mm Depth 240mm includes door (20mm)

Description	Modules Size	Height (mm)	Catalogue No.
<b>Gear Trays</b>			
White gear tray	0.5	108	CELAGMS05
White gear tray	1	216	CELAGMS1
White gear tray	2	432	CELAGMS2
White gear tray	3	648	CELAGMS3

Description	Catalogue No.
<b>E/N KITS to Suit Accessory Modules</b>	
24way 250A earth & neutral kit	CELEN24
36way 250A earth & neutral kit	CELEN36
48way 250A earth & neutral kit	CELEN48
60way 250A earth & neutral kit	CELEN60
72way 250A earth & neutral kit	CELEN72
84way 250A earth & neutral kit	CELEN84
96way 250A earth & neutral kit	CELEN96

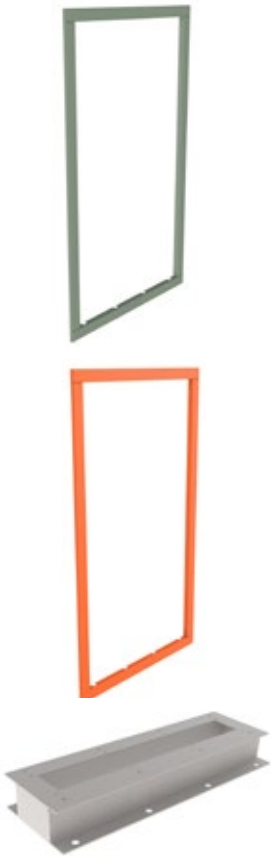


## Concept Premier Accessories



Description	Catalogue No.
<b>Main-switch kits</b>	
Isolator switch kit 160A 3P	CEL3160
Isolator switch kit 250A 3P	CEL3250
MCCB S160NJ main switch kit 3P- NC (Adjustable 100-160A)	CELMCCB3160
MCCB S250NJ main switch kit 3P- NC (Adjustable 160-200A)	CELMCCB3200
MCCB S160NJ main switch kit 3P- GB (Adjustable 100-160A)	CELMCCB3160GB
MCCB S250NJ main switch kit 3P- GB (Adjustable 160-200A)	CELMCCB3200GB
<b>General Accessories</b>	
Emergency lighting test kit rotary switch (pre wired)	CPELK1W
Emergency lighting test kit key switch	CPELK2
External light control kit on-off-auto 1CH 2N/O 25A	CECEXTLKC
External light control kit on-off-auto 1CH 2N/O 25A	CECEXTLK1
External light control kit on-off-auto 2CH 4N/O 25A	CECEXTLK2
Surge Kit 40kA MCB + surge type 2 + loom	CECSURGEK1
Safety service mechanical separation kit 1P	SSE1
Safety service mechanical separation kit 2P	SSE2
Safety service mechanical separation kit 3P	SSE3
Wall mounting kit grey	CELBMS5G
Wall mounting kit orange	CELBMSOR
IP66 mounting sealing kit	CPPIP66
7mm deep schedule card holder	CELACMSA4
<b>Gland Plates</b>	
Steel 1.6mm grey	CPREGPMS1SG
Steel 1.6mm orange	CPREGPMS1OR
Aluminium 3mm	CPREGPAL3
Aluminium 6mm	CPREGPAL6
Bakealite 5mm	CPREGPBK5
Brass 3mm	CPREGPBR3
Gasket	CPREGGF
<b>Door Handles</b>	
Door swing handle IP66 CL001	CELHDSZSC
Door swing handle IP66 92268	CELHDSZS9
Door swing handle IP66 padlockable	CELHDSZPP
Door swing handle IP66 E-Key "Pwd"	CELHDSZBE
Door swing handle IP66 non lockable	CELHDSZNKIT
Door swing handle IP66 7mm square	CELHDSQ7KIT
Door handle cam roller	CELHCRP21C60

## Concept Premier Accessories



1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48

Module Size	Height (mm)	Catalogue No. Grey	Catalogue No. Orange
<b>Flush Mounting Kit</b>			
2	432	CELFK-2-SG	CELFK-2-OR
3	648	CELFK-3-SG	CELFK-3-OR
4	864	CELFK-4-SG	CELFK-4-OR
5	1080	CELFK-5-SG	CELFK-5-OR
6	1296	CELFK-6-SG	CELFK-6-OR
7	1512	CELFK-7-SG	CELFK-7-OR
8	1728	CELFK-8-SG	CELFK-8-OR
9	1944	CELFK-9-SG	CELFK-9-OR

<b>Rainhood</b>			
Single 75mm		CPRAR-S-SG	CPRAR-S-OR
Double 75mm		CPRAR-D-SG	CPRAR-D-OR
Triple 75mm		CPRAR-T-SG	CPRAR-T-OR

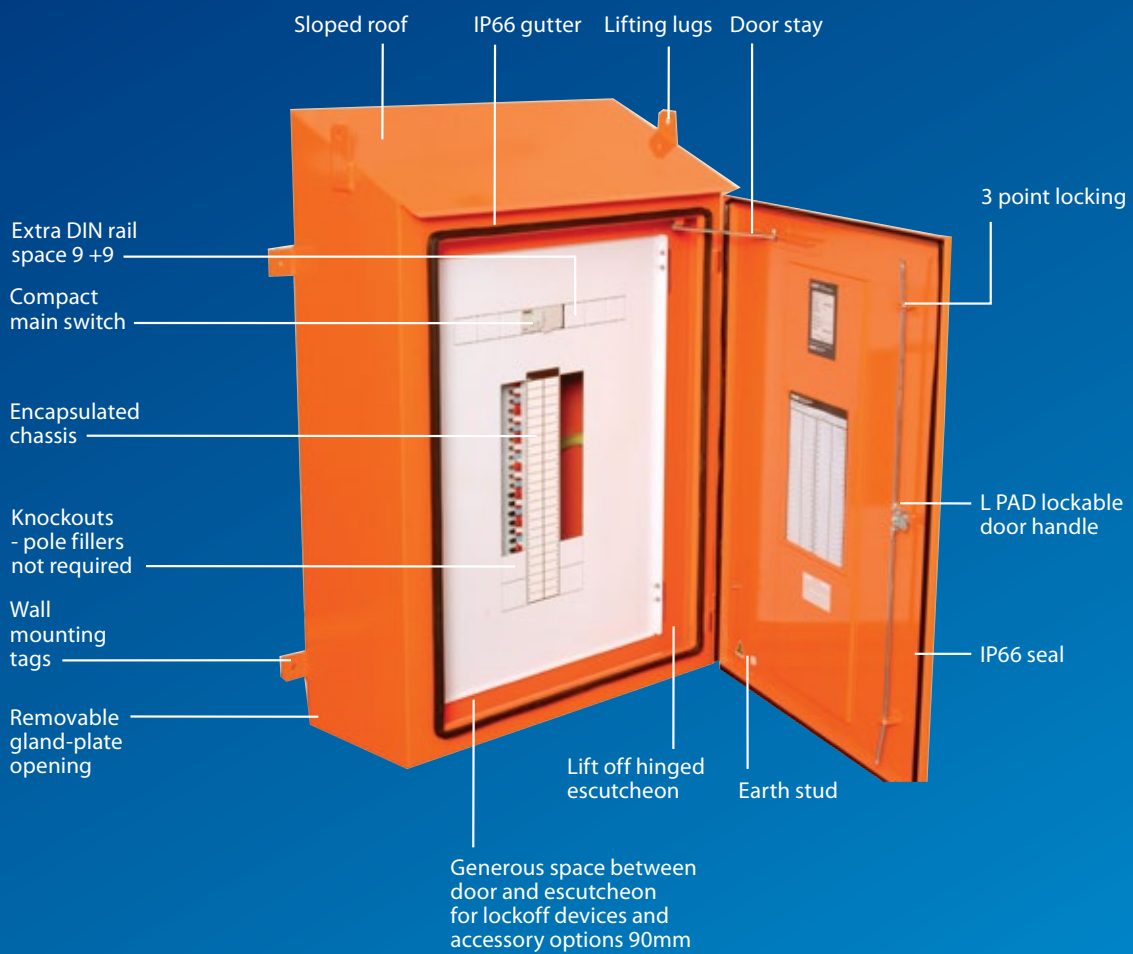
<b>Plinth</b>			
Single 75mm hot dipped gal			CPRAP-S-GAL
Double 75mm hot dipped gal			CPRAP-D-GAL
Triple 75mm hot dipped gal			CPRAP-T-GAL

Description	Catalogue No.
<b>Escutcheon Labels</b>	
DIN 1-48 way (18mm Pitch)	LABLEG148D
DIN 49-96 way (18mm Pitch)	LABLEG4996D
DIN 97-144 way (18mm Pitch)	390.00007
DIN 1-24 way (27mm Pitch)	390.00006

<b>Locking Rods</b>	
Locking rod to suit 3M 648mm	CELDLR3MS
Locking rod to suit 4M 864mm	CELDLR4MS
Locking rod to suit 5M 1080mm	CELDLR5MS
Locking rod to suit 6M 1296mm	CELDLR6MS
Locking rod to suit 7M 1512mm	CELDLR7MS
Locking rod to suit 8M 1728mm	CELDLR8MS
Locking rod to suit 9M 1944mm	CELDLR9MS

# Concept Tough

The heavy duty panelboard - for DIN-T MCB and MCCB



## Concept Tough



- 2.0mm mild steel, or 316 stainless
- Fully welded construction
- Available up to 96 pole capacity
- Door handle 3-point locking
- Lift-off, hinged escutcheon
- IP66 with door
- Suits Din-T, MCB and RCDs
- Suits MCCB chassis
- Dual earth and neutral bars fitted
- Four modular enclosure sizes: 500mm to 2000mm



### Din-T (NC chassis)

Pole Capacity	Box Size	Height (mm)	Catalogue No.
18	2	1000	CTD180
24	2	1000	CTD240
36	2	1000	CTD360
48	2	1000	CTD480
60	3	1500	CTD600
72	3	1500	CTD720
84	3	1500	CTD840
96	3	1500	CTD960

For stainless steel replace "O" with "SS" in Cat. No. codes.



### XA chassis

18	3	1000	CTX180
24	3	1000	CTX240
36	3	1000	CTX360
48	4	1000	CTX480
60	4	1500	CTX600
72	4	2000	CTX720

For stainless steel replace "O" with "SS" in Cat. No. codes.

## Accessories

Item	Pole Capacity	Box Size	Height (mm)	Catalogue No.
Accessory modules	18	1	500	CTACCO
	24	1	500	CTACC24HO
	36	1	500	CTACC24O



# Insulated Loadcentres



## Insulated Loadcentres

A loadcentre is a small enclosure, which houses the protective equipment (circuit breakers and RCDs). A loadcentre is typically used when capacity and/or available space is minimal.

Typical loadcentre sizes are 12 and 18 pole, and available options include insulated plastic constructions.

Loadcentres can be selected by the following criteria:

Breaker type	DIN rail mounted (Din-T, MOD6), or clip-tray mounted (Safe-T)
Mounting	Recessed in a cavity (flush mount), or surface mount
Material	Plastic or mild steel
Protection	IP40, IP43, or IP55 rating
Accessories	Padlockable door, door lock kit

### IP40 Insulated Loadcentres:

- Standard AS/NZS 3439-3
- Suits NHP MOD6 Din-T MCBs and associated DIN equipment
- Surface mount
- IP40 Protection
- Split earth neutral bars
- Removable earth and neutral bar support
- Transparent or white door
- Supplied complete with buscomb

#### Surface mount

Pole Capacity	No. of Rows	Neutral Bar	Earth Bar	Transparent door Catalogue No. 1)	White door Catalogue No. 1)
12	1	5/3/3	12	<b>CSB12ST</b>	<b>CSB12SW</b>
18	1	9/3/3/3	18	<b>CSB18ST</b>	<b>CSB18SW</b>
24	2	10/3/3/3/3	24	<b>CSB24ST</b>	<b>CSB24SW</b>
36	3	12/12/12	36	<b>CSB36ST</b>	<b>CSB36SW</b>

#### Flush mount

12	1	5/3/3	12	<b>CSB12FT</b>	<b>CSB12FW</b>
18	1	9/3/3/3	18	<b>CSB18FT</b>	<b>CSB18FW</b>
24	2	10/3/3/3/3	24	<b>CSB24FT</b>	<b>CSB24FW</b>
36	3	12/12/12	36	<b>CSB36FT</b>	<b>CSB36FW</b>



### IP43 Insulated Loadcentres

- IP43
- Standard AS/NZS 3132
- Suits Din-T6, 10, 10H and 15 MCBs
- Surface mounting
- Made from high impact resistant material
- Comprehensive cable entry facilities at top, bottom, sides and rear
- Totally insulated



ILC4S



ILC8S

### Accessories

Pole capacity	Description	Catalogue No. 1)
4	Surface mounting	<b>ILC4S</b>
8	Surface mounting	<b>ILC8S</b>

## IP55 Weatherproof Loadcentres



- IP55
- Standard AS/NZS 3439.3
- Suits Din-T6, 10, 10H and 15 MCBs
- Padlocking possible
- Totally insulated
- 125mm centre distance between DIN rails
- Split neutral and earth bars

No. of Rows	Pole Capacity	Neutral Bar <sup>1)2)</sup>	Earth Bar <sup>2)</sup>	Catalogue No. <sup>3)</sup>
1	12	8/4	8	<b>DMWP12</b>
2	24	18/6	18	<b>DMWP24</b>
3	36	24/12	18	<b>DMWP36</b>

<sup>1)</sup> Neutral bar indicated as e.g. 8/4 is split for use with RCDs.

<sup>2)</sup> Neutral bars and earth bars rated at 100 Amps.




<sup>3)</sup> Will not accept DSRCBH single pole RCDS.

### Accessories

Description	Catalogue No.
Locking bracket, padlock and 3 keys	<b>DMWPLD</b>
Connection set for joining enclosures together	<b>DMWPCS</b>

### Metal Loadcentres Din-T:

- Suitable for Din-T series circuit breakers up to 125A
- Suits Din-T6, 10, 10H and 15 MCBs
- Supplied with earth and neutral bars, schedule label
- DIN rail fitted
- Surface mount enclosures (without door)

Pole Capacity	Enclosure Catalogue No.	Flush Escutcheon Catalogue No.	Door Catalogue No.
			
8	<b>NLC8S</b>	<b>NLC8FE</b>	<b>LD6/8</b>
12	<b>NLC12S</b>	<b>NLC12FE</b>	<b>LD9/12</b>
15	<b>NLC15S</b>	<b>NLC15FE</b>	<b>LD12/15</b>
18	<b>NLC18S</b>	<b>NLC18FE</b>	<b>LD15/18</b>
21	<b>NLC21S</b>	<b>NLC21FE</b>	<b>LD18/21</b>
24	<b>NLC24S</b>	-	-

### Accessories

Description	Catalogue No.
Locking kit includes bracket and fasteners (CL001)	<b>DSLK</b>

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