



Special Purpose



## Monarch SMB & CT

Small Main Boards & CT Chassis Systems up to 630Amps

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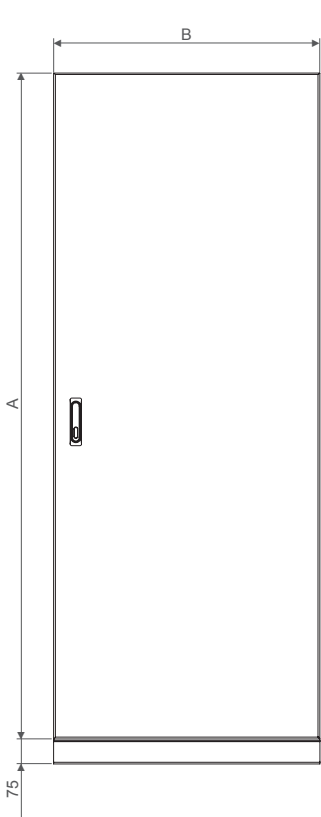
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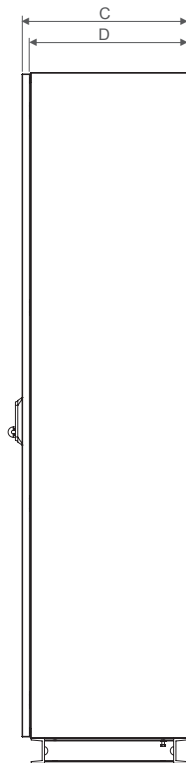
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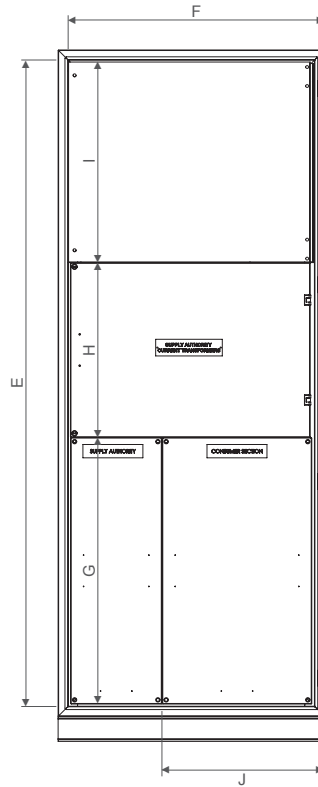
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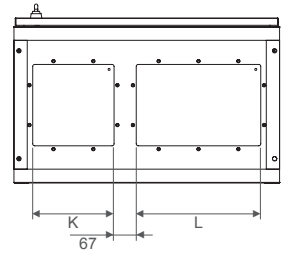
Front View



Side View



Front View With Internals



Bottom View

Catalogue No.	Dimensions (mm)												No of Locks
	External				Opening		Mounting Pan				Gland plate		
	A	B	C	D	E	F	G	H	I	J	K	L	NL
SMB1/15	2000	800	500	471	1939	739	800	525	600	449	245	375	1

See page 80 for more details



# Monarch SMB and CT Enclosures

## Small Main Boards & CT Chassis Systems up to 630A – IP66

brenclosures.com.au/smb.htm



### Features

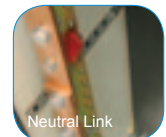
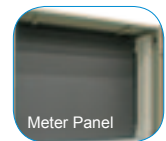
- Corrosion resistant powdercoated zinc coated steel or 316 stainless steel with N4 surface finish
- All enclosures include a heavy duty 3 point locking system
- Complete and fitted with CT chassis, metal potential fuse bracket, sealing devices, escutcheons, plinth, meter and consumer panel
- CT chassis are type tested and certified for up to 50kA for 1 second
- Materials
  - Body – zinc coated steel or 316 stainless steel
  - Body thickness – 1.6/1.5mm
- Surface finish – powdercoated or N4 finish
- Protection rating – IP66

The Monarch SMB is a small main board that was developed as a solution to various local electricity and distribution requirements. The system includes IP66 rated cabinets, plus a range of type tested CT (Current Transformer) chassis and accessories. Also included as part of the SMB product range is the CT Enclosure.

These are small cabinets designed to suit CT chassis only. They are typically used in remote metering applications. Each comes complete with a type tested 600A CT Chassis and busbars tested up to 50kA for 1 second, and there are options for a layout complete with 3 off 32A HRC fuses.

### Enclosures & Dimensions

Catalogue No.	Description	CT Chassis Rating	Test	External Dimensions (mm)		
				Height	Width	Depth
SMB1/1	Cabinet supplied with Meter and Consumer Panel (NT, SA, NSW, TAS)	600A	50kA for 1 sec	2000	800	500
SMB1/15	Cabinet supplied with Meter and Consumer Panel	630A	31.5kA for 1 sec	2075	800	500
SMB1/15/S	316 Stainless Steel Cabinet supplied with Meter and Consumer Panel	630A	31.5kA for 1 sec	2075	800	500
SMB1/40	Cabinet supplied with Meter and Consumer Panel (QLD)	600A	50kA for 1 sec	2000	800	400



## CT Enclosures – IP66

Fitted with removable busbar links. Protected to IP66 and manufactured in powdercoated zinc coated steel.

Catalogue No.	Description	CT Chassis Rating	Test	External Dimensions (mm)		
				Height	Width	Depth
CT1	Cubicle supplied with CT Chassis (CTC/68) only	600A	50kA for 1 sec	600	800	400
CT1/V	Cubicle supplied with CT Chassis (CTC/68V) only (VIC)	600A	50kA for 1 sec	600	800	400

## CT Enclosures – IP33

Protected to IP33 and manufactured in powdercoated zinc coated steel. Busbar not included.

Catalogue No.	Description	CT Chassis Rating	Test	External Dimensions (mm)		
				Height	Width	Depth
CTB/E2	Cubicle empty fitted with 3 x 32A HRC fuses (holders only) –Weatherproof			500	720	340
CTBSHLD	Insulated safety screen to suit CTB/E2			500	720	

## CT Chassis

Type tested and certified for up to 50kA for 1 second.

Catalogue No.	Description	CT Chassis Rating	Test	Busbar Size	External Dimensions (mm)		
					Height	Width	Depth
CTC/200	CT Chassis with busbars – 200A	200A	18kA for 1 sec	25x6.3	400	504	110
CTC/400	CT Chassis with busbars – 400A	400A	31.5kA for 1 sec	25 x 6.35	400	504	130
CTC/630	CT Chassis with busbars – 630A	630A	31.5kA for 1 sec	30 x 10	400	504	130
CTC/68	CT Chassis with busbars – 600A	600A	50kA for 1 sec	25 x 10	550	770	100
CTC/68/V	CT Chassis with busbars – 600A OLD STYLE complete with 3x32A HRC fuses (VIC)	600A	50kA for 1 sec	25 x 10	550	770	100

## Small Main Board Accessories

Catalogue No.	Description
CT/SQK	Potential fuse mounting bracket to suit CT1 and SMB (south QLD area)
CT1/NSEK	Insulated cover kit to suit CT1, CT1/N and SMB's – includes potential fuses and insulating barrier (Sydney Elec Area)
CTPFK	Current transformer potential fuse kit – no fuse links

## Small Main Boards & CT Chassis Systems



IP66

### OVERVIEW

**The Monarch SMB is a small main board that was developed as a solution to various local electricity and distribution requirements.**

The system includes IP66 rated cabinets, plus a range of type tested CT (Current Transformer) chassis and accessories. The SMP comes equipped with a smaller CT enclosure designed specially to house a CT chassis.

### MATERIALS

- Body: Zinc coated steel or 316 stainless steel
- Body thickness: 1.6/1.5mm
- Gasket: FIP polyurethane
- Surface finish: Powdercoated RAL7035 or N4 finish

### APPLICATION

Typically used in remote metering applications or emergency power restorations. They are a small main board for requirements up to 630 Amps.

### FEATURES

- IP55 protection rating
- Stainless steel door hinge pins
- CT chassis is type-tested and certified for up to 50kA for 1 second
- Segregated consumer and authority sections
- Insulated meter panel
- Foamed in place polyurethane gasket



## SMB Enclosures

Catalogue No.	Description	CT Chassis Rating	Test	External Dimensions (mm)		
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SMB1/1	Cabinet supplied with meter and consumer panel (NT, SA, NSW, TAS)	600A	50kA for 1 second	2000	800	500
SMB1/15	Cabinet supplied with meter and consumer panel	630A	31.5kA for 1 second	2075	800	500
SMB1/15/S	316 Stainless steel cabinet supplied with meter and consumer panel	630A	31.5kA for 1 second	2075	800	500
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Fitted with removable busbar links. Protected to IP66 and manufactured in powdercoated zinc coated steel.

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				Height	Width	Depth
CT1	Cubicle supplied with CT Chassis (CTC/68) only	600A	50kA for 1 sec	600	800	400
CT1/V	Cubicle supplied with CT Chassis (CTC/68V) only (VIC)	600A	50kA for 1 sec	600	800	400

## CT Enclosures – IP33

Protected to IP33 and manufactured in powdercoated zinc coated steel. Busbar not included.

Catalogue No.	Description	External Dimensions (mm)		
		Height	Width	Depth
CTB/E2	Cubicle empty fitted with 3x32A HRC fuses (holders only) – Weatherproof	500	720	340
CTBSHLD	Insulated safety screen to suit CTB/E2	500	720	–

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CT/SQK	Potential fuse mounting bracket to suit CT1 and SMB (south QLD area)
CT1/NSEK	Insulated cover kit to suit CT1, CT1/N and SMB's – includes potential fuses and insulating barrier (Sydney Elec Area)
CTPFK	Current transformer potential fuse kit – no fuse links



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