



Resilience Panel Boards 250A, 400A, 800A



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Innovators in Protection Technology

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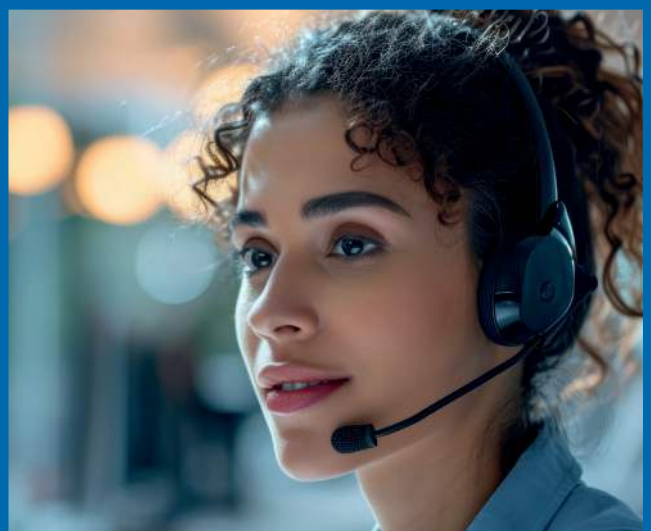
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Quality is Accredited

Terasaki has ISO 9001 accreditation for the manufacture, sale and distribution of all products featured in this Catalogue.

Technical Support is Free

We offer free technical support and application software to all customers. This could range from selecting a product for an unusual application through to carrying out a protection study.



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+44 (0) 141 941 1940
sales@terasaki.co.uk



www.terasaki.com



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Resilience Panel Boards

Terasaki Resilience Panel Boards draw on decades of panel board design experience and expertise to bring you a range of products designed to meet diverse electrical distribution needs with reliability and efficiency.

Specifically designed for Terasaki's TemBreak 2 and TemBreak 2 Lite ranges of moulded case circuit breakers, multiple configurations are possible ranging from 250A to 800A busbar ratings and outgoing device ratings from 20A to 250A and 400A.

Resilience Standard's integrated design combines incoming and outgoing devices in one wall mounted board.

Resilience Plus offers the flexibility of incoming enclosures separate from the panel board.

Modular design gives great flexibility enhanced by a comprehensive selection of accessories including add-on boxes, cableways, service centres and metering and surge options.

This comprehensive range ensures that you can find the perfect panel board solution for your specific needs, whether you require a standard integrated design or a more advanced setup with separate enclosures and higher capacities.

Build Resilience into your system!

		Resilience Standard	
Busbar current rating		250A	400A
Busbar short circuit rating (Icw), 1sec		25kA	25kA
Rated operational voltage (Ue)		415Vac	415Vac
Rated insulation voltage (Ui)		690Vac	690Vac
Outgoing triple pole ways		4,6,8,12	6,8,12,18
Outgoing devices (3 pole)	TM	<=125A	<=125A
	Electronic		
Outgoing devices (1 pole)		<=125A	<=125A
External IP rating		IP3X	IP3X
Internal form of separation		Form 3b type 2	Form 3b type 2
RAL colour		RAL7035	RAL7035
Meets requirements of BS EN 61439-2		✓	✓

Integral incoming device frame size		250AF	400/630AF
Integral incoming device maximum rating		250A	400A



Resilience Panel Boards



Resilience Plus					
400A	400A	400A	800A	800A	800A
36kA	36kA	36kA	50kA	50kA	50kA
415Vac	415Vac	415Vac	415Vac	415Vac	415Vac
500Vac	500Vac	500Vac	500Vac	500Vac	500Vac
6,12,18	6,12,18	6,12,18	6,12,18	6,12,18	6,12,18
<=250A	<=250A	<=250A	<=250A, 400A	<=250A, 400A	<=250A
			400A		
<=160A	<=160A	<=160A	<=160A	<=160A	<=160A
IP3X/IP4X*	IP3X/IP4X*	IP3X/IP4X*	IP3X/IP4X*	IP3X/IP4X*	IP3X/IP4X*
Form 3a	Form 3a	Form 3b type 2	Form 3a	Form 3a	Form 3b type 2
RAL7035	RAL7035	RAL7035	RAL7035	RAL7035	RAL7035
✓	✓	✓	✓	✓	✓

* IP4X with optional door kit fitted

Resilience Plus Incomer housing

TRP250INC - 250A	TRP250INC - 250A	TRP250INC - 250A			
TRPDHINC - 400A/630A	TRPDHINC - 400A/630A	TRPDHINC - 400A/630A	TRPDHINC - 400A/630A	TRPDHINC - 400A/630A	TRPDHINC - 400A/630A
			TRPHXINC - 800A	TRPHXINC - 800A	TRPHXINC - 800A





Resilience Panel Boards

Resilience Standard

The Terasaki Resilience Standard Panel Board system is designed for applications demanding up to 400A incoming supply and up to 125A outgoing capacity. Modular devices such as surge protection and incoming metering can be installed integral to the boards. Metering of outgoing devices is available by using an add-on service centre.

Resilience Standard provides a straightforward power distribution solution for commercial and industrial settings. It includes add-on enclosures like metering enclosures and service centres, designed to fit seamlessly with the panel board's dimensions.

Key Features:

- ASTA certified busbars rated at 25kA for 1 second
- Available in 250A and 400A versions
- 4, 6, 8, 12 & 18 outgoing TP ways. max rating 125A
- Form 3b type 2 as standard
- Ingress protection of IP3X
- Compact physical dimensions
- Doors are integrally included in the board.
- Integral incoming metering and surge kits
- Matching add-on enclosures
- Manufactured, assembled and tested in the UK



Resilience Standard 6-way panel board

Incoming Devices:

- 250A Version – MCCB or Switch Disconnecter 3 pole & 4 pole up to 250A
- 400A Version – MCCB or Switch Disconnecter 3 pole & 4 pole up to 400A
- 3P Incoming devices require the appropriate neutral link.

Outgoing Devices:

- All 1P & 3P outgoing devices are Thermal-Magnetic
- MCCB 1 pole up to 125A
- MCCB 3 pole up to 125A



125AF single pole



400AF 4 pole



Resilience Standard 250A Panel Boards

1

Choose a Panel Board



250A Panel Board	Product Code
Panel board 250A 4 way TM outgoing MCCB 125A	TRS25004TM125
Panel board 250A 6 way TM outgoing MCCB 125A	TRS25006TM125
Panel board 250A 8 way TM outgoing MCCB 125A	TRS25008TM125
Panel board 250A 12 way TM outgoing MCCB 125A	TRS25012TM125

2

Select Accessories



Accessories	Product Code
Neutral link for 250AF 3P incomer	TRS250NLPB
Blank piece for TB2 lite 160AF 3P	TRS1603BP
Cylinder door lock with keys	TRCDLK

3

Select Add-on Units



Accessories	Height	Product Code
Cable spreader box	300mm	TRSCSB
32 way service centre	300mm	TRSSC32

- Service centres can accommodate up to 8 outgoing meters
- Additional service centres can be mounted above a service centre

4

Incoming Device Options



Description	Product Code
TemBreak 2 Lite	
S250-SN 3P 250A switch disconnecter	930942
S250-SN 4P 250A switch disconnecter	930973
E250-SJ 3P 160A FC MCCB – Icu = 25kA at 400Va	930508
E250-SJ 3P 200A FC MCCB – Icu = 25kA at 400Va	930515
E250-SJ 3P 250A FC MCCB – Icu = 25kA at 400Va	930522
E250-SJ 4P 160A FC MCCB – Icu = 25kA at 400Va	930607
E250-SJ 4P 200A FC MCCB – Icu = 25kA at 400Va	930614
E250-SJ 4P 250A FC MCCB – Icu = 25kA at 400Va	930621
250A direct connection kit	TRSDC250



Resilience Standard 400A Panel Boards

1

Choose a Panel Board

	400A Panel Board	Product Code
	Panel board 400A 4 way TM outgoing MCCB 125A	TRS40006TM125
	Panel board 400A 8 way TM outgoing MCCB 125A	TRS40008TM125
	Panel board 400A 12 way TM outgoing MCCB 125A	TRS40012TM125
	Panel board 400A 18 way TM outgoing MCCB 125A	TRS40018TM125

2

Select Accessories

	Accessories	Product Code
	400A neutral link (for 400/630AF 3P incoming device)	TRS400NLPB
	Blank piece for TB2 lite 160AF 3P	TRS1603BP
	Cylinder door dock with keys	TRCDLK

3

Select Add-on Units

	Accessories	Product Code
	Cable spreader box	TRSCSB
	32 way service centre	TRSSC32

- Service centres can accommodate up to 8 outgoing meters
- Additional service centres can be mounted above a service centre

4

Incoming Device Options

	Description	Product Code
	TemBreak 2	
	S400-NN 3P 400A switch disconnecter	381553
	S400-NN 4P 400A switch disconnecter	381577
	S400-NJ 3P 250A FC MCCB – Icu = 50kA at 400Vac	378720
	S400-NJ 4P 250A FC MCCB – Icu = 50kA at 400Vac	378843
	S400-NJ 3P 400A FC MCCB – Icu = 50kA at 400Vac	378737
	S400-NJ 4P 400A FC MCCB – Icu = 50kA at 400Vac	378850
	400A direct connection kit	TRSDC400



Outgoing Devices



Description

TemBreak 2 Lite - Icu = 25kA at 400Vac

E160-SF 1P 16A FW MCCB	591761
E160-SF 1P 20A FW MCCB	591778
E160-SF 1P 25A FW MCCB	591785
E160-SF 1P 32A FW MCCB	591792
E160-SF 1P 40A FW MCCB	591808
E160-SF 1P 50A FW MCCB	591815
E160-SF 1P 63A FW MCCB	591822
E160-SF 1P 80A FW MCCB	591839
E160-SF 1P 100A FW MCCB	591846
E160-SF 1P 125A FW MCCB	591853
S160-SCJ 3P 25A FW MCCB	591983
S160-SCJ 3P 32A FW MCCB	598890
S160-SCJ 3P 40A FW MCCB	591990
S160-SCJ 3P 63A FW MCCB	592003
S160-SCJ 3P 80A FW MCCB	592010
S160-SCJ 3P 100A FW MCCB	592027
S160-SCJ 3P 125A FW MCCB	592034

Product Code



Surge Protection



Description

Surge protection kit type 1	TRSSPT1
Surge protection kit type 2	TRSSPT2
Surge unit type 1 (incl in TRSSPT1)*	TRSSU3PNT1
Surge unit type 2 (incl in TRSSPT2)*	TRSSU3PNT2

Product Code

* Consumes one 3 pole outgoing way - see notes and guidance



Metering



Meters, Current Transformers and Wiring Looms



Meter Kits	Product Code
250A incoming meter kit	TRS250MK
400A incoming meter kit	TRS400MK
125A outgoing meter kit	TRS125MK
125A outgoing additional meter kit (up to 7)	TRS125MKA
250A incoming MID meter kit	TRS250MKM
400A incoming MID meter kit	TRS400MKM
125A outgoing MID meter kit	TRS125MKM
125A outgoing additional MID meter kit (up to 7)	TRS125MKMA
Loose Items	
Single channel din mounted meter	TRSSMD1
Single channel DIN MID mounted meter	TRSSMMD1
45mm CT 3P 400A/330mV	TR45CT400
35mm CT 3P 250A/330mV	TR35CT250
25mm CT 3P 125A/330mV	TR25CT125
RJ45 CT cable PVC 0.5m	TRRJ45CC05
RJ45 CT cable PVC 1.0m	TRRJ45CC10
RJ45 CT cable PVC 1.5m	TRRJ45CC15
Meter voltage supply cable PVC 1.0m	TRMVSC10

Resilience standard notes and guidance

- Doors are integrally included in the board
- All 3 pole outgoing devices are adjustable thermal-fixed magnetic (S160)
- All metering (Std & MID) is achieved through meter kits
- Meter kits include meter, CT, connections and mounting parts
- Type I & II surge units are achieved through kits
Lower LHS outgoing way is taken up with surge protection MCCB
- Service centres can accommodate up to 8 outgoing meters
- Additional service centres can be mounted above a service centre





Resilience Plus Panel Boards

Resilience Plus

The Terasaki Resilience Plus MCCB panel board system is designed for applications demanding up to 800A incoming supply and up to 250A outgoing capacity. This range houses the incoming and outgoing devices in separate adjoining enclosures, offering a wide range of flexible modular options to suit all applications. Outgoing MCCBs are a single frame size, and each outgoing way can accept a 250A device without additional kits. An 800A panel board with 2 outgoing ways for 400AF MCCBs (thermal-magnetic or electronic) is also available.

All panel boards in this range are available in a hybrid version, which accepts both thermal/magnetic and electronic MCCBs in the same panel, incoming and outgoing devices. Both form 3a and form 3b type 2 versions are available. Modular devices such as surge protection and incoming metering can be installed integral to the incoming enclosure, and outgoing metering is achieved using matching side cableways. A range of accessories is available for this product range.

Key Features:

- 400A Certified busbar rated at 36kA for 1 second
- 800A Certified busbar rated at 50kA for 1 second
- 6, 12 & 18 outgoing 3 pole ways – 250AF
- 2 outgoing 3 pole ways – 400AF (Form 3a TM/Electronic – IP3X)
- Form 3a as standard
- Form 3b Type 2 available
- Hybrid board available to accept both thermal/magnetic and electronic MCCBs (incoming & outgoing)
- Ingress protection IP3X or IP4X with optional doors fitted
- Integral incoming surge and metering fitted within incoming enclosure
- Outgoing metering available via side cableways
- Matching add-on enclosures available
- Service centre and cable spreader box available
- Doors supplied as an option

Incoming Devices:

- 400A panel board
 - 250AF MCCB – 250A (TRP250INC)
 - 800AF MCCB – 400A max. rating (TRPDHINC)
- 800A panel board
 - 800AF MCCB – 630A max. rating (TRPDHINC)
 - 1250AF MCCB – 800A max. rating (TRPHXINC)

Outgoing Devices:

- TB2 250AF MCCB 1 pole up to 160A
- TB2 250AF thermal magnetic and/or electronic MCCB 3 pole up to 250A
- TB2 400AF thermal magnetic and/or electronic MCCB 3 pole up to 400A



TRPDHINC
& TRP40006ELE250



800AF MCCB 3P



250AF MCCB 3P



Resilience Plus Panel Boards

1

Select Panel Board

CODE	DESCRIPTION	Height Dim. (mm)	Modules	400A Form 3a TM outgoing MCCBs
Resilience Plus Form 3a – Suitable for Thermal Magnetic Outgoing MCCBs				
TRP40006TM250	Panel board 400A 6 way TM	609	4	•
TRP40012TM250	Panel board 400A 12 way TM	914	6	•
TRP40018TM250	Panel board 400A 18 way TM	1219	8	•
TRP80006TM250	Panel board 800A 6 way TM	609	4	
TRP80012TM250	Panel board 800A 12 way TM	914	6	
TRP80018TM250	Panel board 800A 18 way TM	1219	8	
Resilience Plus Form 3a – Suitable for Thermal Magnetic and Electronic Outgoing MCCBs				
TRP40006ELE250	Panel board 400A 6 way outgoing electronic MCCB option	609	4	
TRP40012ELE250	Panel board 400A 12 way outgoing electronic MCCB option	914	6	
TRP40018ELE250	Panel board 400A 18 way outgoing electronic MCCB option	1219	8	
TRP80006ELE250	Panel board 800A 6 way outgoing electronic MCCB option	609	4	
TRP80012ELE250	Panel board 800A 12 way outgoing electronic MCCB option	914	6	
TRP80018ELE250	Panel board 800A 18 way outgoing electronic MCCB option	1219	8	
TRP80002TM400	Panel board 800A 2 way outgoing MCCB 400AF	457	3	
Resilience Plus Form 3b – Suitable for Thermal Magnetic and Electronic Outgoing MCCBs				
TRP40006ELE2250	PB 400A 6 way outgoing electronic MCCB option form 3B type 2	609	4	
TRP40012ELE2250	PB 400A 12 way outgoing electronic MCCB option form 3B type 2	914	6	
TRP40018ELE2250	PB 400A 18 way outgoing electronic MCCB option form 3B type 2	1219	8	
TRP80006ELE2250	PB 800A 6 way outgoing electronic MCCB option form 3B type 2	609	4	
TRP80012ELE2250	PB 800A 12 way outgoing electronic MCCB option form 3B type 2	914	6	
TRP80018ELE2250	PB 800A 18 way outgoing electronic MCCB option form 3B type 2	1219	8	



Resilience Plus Panel Boards

800A Form 3a TM outgoing MCCBs	400A Form 3a TM/Electronic outgoing MCCBs	800A Form 3a TM/Electronic outgoing MCCBs	400A Form 3b Type 2 TM/Electronic outgoing MCCBs	800A Form 3b Type 2 TM/Electronic outgoing MCCBs	

CONT...



Resilience Plus Panel Boards

2

Select Incoming Device Housing

CODE	DESCRIPTION	Height Dim. (mm)	Modules	400A Form 3a			800A Form 3a			
				400A 6 way TM	400A 12 way TM	400A 18 way TM	800A 6 way TM	800A 12 way TM	800A 18 way TM	800A 2 way TM/Electronic Outgoing MCCB 400AF
TRP250INC	Incomer housing 250AF 250A	457	3	•	•	•				
TRPDHINC	400A/630A incomer housing (for 800AF incomer device)	762	5	•	•	•	•	•	•	•
TRP400DR	400A direct connection	305	2	•	•	•				
TRPDHINC	400A/630A incomer housing (for 800AF incomer device)	762	5	•	•	•	•	•	•	•
TRPHXINC	800A incomer housing (for 1250AF incomer device)	912	6				•	•	•	•
TRP800DR	800A direct connection	457	3				•	•	•	•



Resilience Plus Panel Boards

400A Form 3a Electronic			800A Form 3a Electronic				400A Form 3b Type 2 Electronic			800A Form 3b Type 2 Electronic			
400A 6 way Outgoing TM/Electronic MCCB	400A 12 way Outgoing TM/Electronic aMCCB	400A 18 way Outgoing TM/Electronic MCCB	800A 6 way Outgoing TM/Electronic MCCB	800A 12 way Outgoing TM/Electronic MCCB	800A 18 way Outgoing TM/Electronic MCCB	800A 2 way TM/Electronic Outgoing MCCB 400AF	400A 6w Outgoing TM/Electronic MCCB	400A 12w Outgoing TM/Electronic MCCB	400A 18w Outgoing TM/Electronic MCCB	800A 6w Outgoing TM/Electronic MCCB	800A 12w Outgoing TM/Electronic MCCB	800A 18w Outgoing TM/Electronic MCCB	
•	•	•					•	•	•				TRP250INC
•	•	•	•	•	•		•	•	•	•	•		
•	•	•					•	•	•				TRPDHINC
•	•	•	•	•	•	•	•	•	•	•	•	•	
													TRPHXINC
			•	•	•	•				•	•	•	
			•	•	•	•				•	•	•	
			•	•	•	•				•	•	•	



Resilience Plus Panel Boards

3

Incoming Devices

CODE	DESCRIPTION
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TemBreak2 Lite for 400A Panel Boards

930683	S250-SJ 3P 160A FC MCCB
930690	S250-SJ 3P 200A FC MCCB
930706	S250-SJ 3P 250A FC MCCB
930744	S250-SJ 4P 160A FC MCCB
930751	S250-SJ 4P 200A FC MCCB
930768	S250-SJ 4P 250A FC MCCB
930942	S250-SN 3P 250A SW DISC
930973	S250-SN 4P 250A SW DISC

TemBreak2 for 400A panel boards

106101	S800-NN 3P 400A FC switch disconnecter
106118	S800-NN 4P 400A FC switch disconnecter
497995	S800-NF 3P 400A FC MCCB
498008	S800-NF 4P 400A FC MCCB
TRP400DR	400A direct connection

TemBreak2 for 800A panel boards

812149	S800-NJ 3P 630A FC
812163	S800-NJ 4P 630A FC
812262	S800-NE 3P 630A FC electronic
812309	S800-NE 4P 630A FC electronic
TRP800DR	800A direct connection

106125	S1250-NN 3P 800A FC switch disconnecter
106132	S1250-NN 4P 800A FC switch disconnecter
553240	S1250-SE A 3P 800A FC MCCB electronic
553400	S1250-SE A 4P 800A FC MCCB electronic
TRP800DR	800A direct connection

400A Incoming Device Enclosure

Incomer Housing 250AF 250A (TRP250INC)	400A/630A Incomer Housing (for 800AF incomer device) (TRPDHINC)
•	
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800A Incoming Device Enclosure

400A/630A Incomer Housing (for 800AF incomer device) (TRPDHINC)	800A Incomer Housing (for 1250AF incomer device) (TRPHXINC)

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Resilience Plus Panel Boards

4

Incoming Accessories

CODE	DESCRIPTION
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Neutral Links

TRP250NL	Neutral link 250AF
TRPDHNL	400A/630A neutral link (for 800AF 3P incomer device)
TRPHXNL	800A neutral link (for 1250AF 3P incomer device)

Incoming Meters & Surge

TRP250MKE	250AF meter mounting kit
TRP250MKME	250AF MID meter mounting kit
TRP250SK1E	250AF incoming surge kit Type 1 ELE
TRP250SK2E	250AF incoming surge kit Type 2 ELE
TRPDHMKE	Incoming meter mounting kit (for 800AF incomer device)
TRPDHMKME	Incoming MID meter mntg kit (for 800AF incomer device)
TRPDHSK1E	Incoming surge kit type 1 ELE (for 800AF incomer device)
TRPDHSK2E	Incoming surge kit type 2 ELE (for 800AF incomer device)
TRPHXMKE	Incoming meter mounting kit (for 1250AF incomer device)
TRPHXMKME	Incoming MID meter mntg kit (for 1250AF incomer device)
TRPHXSK1E	Incoming surge kit type 1 EL (for 1250AF incomer device)
TRPHXSK2E	Incoming surge kit type 2 EL (for 1250AF incomer device)

400A Incoming Device Enclosure

Incomer Housing 250AF 250A (TRP250INC)	400A/630A Incomer Housing (for 800AF incomer device) (TRPDHINC)
•	
	•

800A Incoming Device Enclosure

400A/630A Incomer Housing (for 800AF incomer device) (TRPDHINC)	800A Incomer Housing (for 1250AF incomer device) (TRPHXINC)
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Resilience Plus Panel Boards

5 Panel Board Accessories & Add-On Enclosures

5 Panel Board Accessories & Add-On Enclosures				400A Form 3a			800A Form 3a			
CODE	DESCRIPTION	Height Dim. (mm)	Modules	400A 6 way TM	400A 12 way TM	400A 18 way TM	800A 6 way TM	800A 12 way TM	800A 18 way TM	800A 2 way TM/Electronic Outgoing MCCB 400AF
Resilience Plus Accessories										
TRP2503BP	Blank piece for TB2 250AF 3P			●	●	●	●	●	●	
TRPICK400	400A busbar interconnection kit			●	●	●				
TRPICK800	800A busbar interconnection kit						●	●	●	●
TRPEK	busbar extension kit			●	●	●	●	●	●	●
TRPSCM24	24 module service centre	305	2	●	●	●	●	●	●	●
TRPSCD	Service centre door kit			●	●	●	●	●	●	●
TRPEM1	1 module general purpose enclosure	152	1	●	●	●	●	●	●	●
TRPEM2	2 module general purpose enclosure	305	2	●	●	●	●	●	●	●
TRPEM3	3 module general purpose enclosure	457	3	●	●	●	●	●	●	●
TRPEM4	4 module general purpose enclosure	609	4	●	●	●	●	●	●	●
TRPEM5	5 module general purpose enclosure	762	5	●	●	●	●	●	●	●
TRPEM6	6 module general purpose enclosure	914	6	●	●	●	●	●	●	●
TRPCM1	1 module cableway	152	1	●	●	●	●	●	●	●
TRPCM2	2 module cableway	305	2	●	●	●	●	●	●	●
TRPCM3	3 module cableway	457	3	●	●	●	●	●	●	●
TRPCM4	4 module cableway	609	4	●	●	●	●	●	●	●
TRPCM5	5 module cableway	762	5	●	●	●	●	●	●	●
TRPCM6	6 module cableway	914	6	●	●	●	●	●	●	●
TRPCM8	8 module cableway	1219	8	●	●	●	●	●	●	●
TRPCMD2	2 module cableway metering door kit			●	●	●	●	●	●	●
TRPCMD3	3 module cableway metering door kit			●	●	●	●	●	●	●
TRPCMD4	4 module cableway metering door kit			●	●	●	●	●	●	●
TRPCMD5	5 module cableway metering door kit			●	●	●	●	●	●	●
TRPCMD6	6 module cableway metering door kit			●	●	●	●	●	●	●
TRPCMD8	8 module cableway metering door kit			●	●	●	●	●	●	●
TRPDK02	2 way door kit									●
TRPDK06	6 way door kit			●			●			
TRPDK12	12 way door kit				●			●		
TRPDK18	18 way door kit					●			●	

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Resilience Plus Panel Boards

6

Outgoing Devices

CODE	DESCRIPTION
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TemBreak 2 - Icu = 25 kA at 400Vac

326707	S160-NF 1P 16A FC MCCB	
326714	S160-NF 1P 20A FC MCCB	
326721	S160-NF 1P 25A FC MCCB	
326738	S160-NF 1P 32A FC MCCB	
326745	S160-NF 1P 40A FC MCCB	
326752	S160-NF 1P 50A FC MCCB	
326769	S160-NF 1P 63A FC MCCB	
326776	S160-NF 1P 80A FC MCCB	
326783	S160-NF 1P 100A FC MCCB	
326790	S160-NF 1P 125A FC MCCB	
326806	S160-NF 1P 160A FC MCCB	

TemBreak 2 - Icu = 36kA at 400Vac

326837	S160-NJ 3P 20A FC MCCB	Icu = 30kA
326844	S160-NJ 3P 32A FC MCCB	Icu = 30kA
326851	S160-NJ 3P 50A FC MCCB	
326868	S160-NJ 3P 63A FC MCCB	
326875	S160-NJ 3P 100A FC MCCB	
326882	S160-NJ 3P 125A FC MCCB	
326899	S160-NJ 3P 160A FC MCCB	
312052	S250-NJ 3P 200A FC MCCB	
312038	S250-NJ 3P 250A FC MCCB	

TemBreak2 - Icu = 65 kA at 400Vac

327025	S160-GJ 3P 50A FC MCCB	
327032	S160-GJ 3P 63A FC MCCB	
327049	S160-GJ 3P 100A FC MCCB	
327056	S160-GJ 3P 125A FC MCCB	
327063	S160-GJ 3P 160A FC MCCB	
312250	S250-GJ 3P 200A FC MCCB	
312236	S250-GJ 3P 250A FC MCCB	

400A Form 3a

400A 6 way TM	400A 12 way TM	400A 18 way TM
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800A Form 3a

800A 6 way TM	800A 12 way TM	800A 18 way TM	800A 2 way TM/Electronic Outgoing MCCB 400AF
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CONT...



Resilience Plus Panel Boards

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Outgoing Devices

CODE	DESCRIPTION
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TemBreak 2 - Icu = 36kA at 400Vac

331701	S250-NE A U 3P 40A FC electronic
331800	S250-NE A U 3P 125A FC electronic
337802	S250-NE A U 3P 160A FC MCCB
331909	S250-NE A U 3P 250A FC electronic

TemBreak 2 - Icu = 65kA at 400Vac

332005	S250-GE A U 3P 40A FC electronic
332104	S250-GE A U 3P 125A FC electronic
337925	S250-GE A U 3P 160A FC MCCB
332203	S250-GE A U 3P 250A FC electronic

TemBreak 2 Lite - Icu = 40kA at 400Vac

933561	S250-SJ 3P 50A FC MCCB
933578	S250-SJ 3P 63A FC MCCB
933585	S250-SJ 3P 100A FC MCCB
933592	S250-SJ 3P 125A FC MCCB
930683	S250-SJ 3P 160A FC MCCB
930690	S250-SJ 3P 200A FC MCCB
930706	S250-SJ 3P 250A FC MCCB

Resilience Plus Twin 400AF Outgoing Devices

TemBreak 2 - Icu = 50kA at 400Vac

378720	S400-NJ 3P 250A FC MCCB
378737	S400-NJ 3P 400A FC MCCB
379604	S400-NE A U 3P 250A FC electronic
379628	S400-NE A U 3P 400A FC electronic

400A Form 3a

400A 6 way TM	400A 12 way TM	400A 18 way TM

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800A Form 3a

800A 6 way TM	800A 12 way TM	800A 18 way TM	800A 2 way TM/Electronic Outgoing MCCB 400AF

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Terasaki – Resilience Panel Boards **[25]**



Incoming & Outgoing Device Accessories

CODE	DESCRIPTION
MCCB Accessories TB2 Lite	
002489	Auxiliary switch (AX) TB2L
002557	Alarm switch (AL) TB2L
003417	Shunt trip AC 100-120V TB2L
003424	Shunt trip AC 200-240V TB2L
003431	Shunt trip AC 380-450V TB2L
003448	Shunt trip DC 24V TB2L
003455	Shunt trip DC 48V TB2L
003462	Shunt trip DC 100-120V TB2L
003479	Shunt trip DC 200-240V TB2L
003547	Under voltage release AC 100-120V TB2L
003554	Under voltage release AC 200-240V TB2L
003561	Under voltage release AC 380-450V TB2L
003578	Under voltage release DC 24V TB2L
003585	Under voltage release DC 100-120V TB2L
003592	Under voltage release DC 200-240V TB2L
064906	Handle lock (HL)
065453	TB2 LITE terminal cover (1) 160A 3P short
080456	Terminal cover FC (1) 250AF 3P E S type long
062247	4 internal 1-cable clamps for TB2L 250
062254	3 internal 1-cable clamps for TB2L 250
065729	1 interpole barrier TB2L 250
065644	Terminal cover lock TB2 Lite 250AF
065316	Terminal cover 4P, 1 cover (long)
065309	Terminal cover 3P, 1 cover (long)

CODE	DESCRIPTION
MCCB Accessories TB2 up to 400A	
000348	Auxiliary switch (AX) TB2
000744	Alarm switch (AL) TB2
000904	Shunt trip AC 100-120V TB2
000911	Shunt trip AC 200-240V TB2
000928	Shunt trip AC 380-450V TB2
000973	Shunt trip DC 12V TB2
000935	Shunt trip DC 24V TB2
000942	Shunt trip DC 48V TB2
000959	Shunt trip DC 100-120V TB2
000966	Shunt trip DC 200-240V TB2
001208	Under voltage release AC 100-120V TB2
001215	Under voltage release AC 200-240V TB2
001222	Under voltage release AC 380-450V TB2
001239	Under voltage release DC 24V TB2
001246	Under voltage release DC 100-120V TB2
001253	Under voltage release DC 200-240V TB2



Resilience Plus Panel Boards

CODE	DESCRIPTION
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MCCB Accessories TB2 range specified

081354	Cable clamps (3) 250AF 3P
081361	Cable clamps (4) 250AF 4P
080517	Terminal cover short (1) 250AF 3P
080586	Terminal cover ST (1) 250AF 3P for cable clamps
043338	1 interpole barrier 400-1600AF
037016	Toggle lock for 125/250AF
037306	Toggle lock S400-1000A
035326	Toggle lock S1250-1600A
010323	Flat bar 400AF AI (3)
010330	Flat bar 400AF AI (4)
081347	Terminal cover FC (1) 400-630AF 3P wide
080814	Terminal cover FC (1) 400-630AF 4P wide
067938	Flat bar 630A (3) extension bar for S800
067945	Flat bar 630A (4) extension bar for S800
045769	Terminal cover PMB (1) 800AF 3P
045776	Terminal cover PMB (1) 800AF 4P
081088	Terminal cover FC 3P (1) 1250AF
081095	Terminal cover FC 4P (1) 1250AF
080449	Terminal cover FC (1) 160AF 1P E S type long

CODE	DESCRIPTION
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Resilience Plus Metering - Loose Items

TRSSMD1	Single channel DIN mtd meter
TRSSMP1	Single channel panel mtd meter
TRSSMMP1	Single channel panel MID mtd meter
TRSSMMD1	Single channel DIN MID mtd meter
TRPMSL	Meter supply loom
TR35CT250	35mm CT 3 phase 250A/330mV
TR35CT60	35mm CT 3 phase 60A/330mV
TR35CT100	35mm CT 3 phase 100A/330mV
TR35CT125	35mm CT 3 phase 125A/330mV
TR35CT200	35mm CT 3 phase 200A/330mV
TR70CT800	70mm CT 3 phase 800A/330mV
TRMVSC03	Meter voltages Supply cable PVC 0.3m
TRRJ45CC05	RJ45 CT cable PVC 0.5m
TRRJ45CC10	RJ45 CT cable PVC 1.0m



Resilience Plus Panel Boards

Resilience Plus Notes and Guidance

General

- Door kits are an optional extra.
- There are no door kits for Incomers
- 3 pole outgoing devices are Thermal/Magnetic and Adjustable Thermal/Adjustable Magnetic or Electronic (E/S250)
- 3 pole Incoming devices require the appropriate neutral link.
- An outgoing way can be used as an incomer up to 250A.

Ratings

- 800A boards when fed from a TRPDHINC have a maximum current rating of 630A
- To achieve 800A, incomer must be a 1250AF device rated at 800A.
- 2 x 400A panel board TRP8002TM400 available as form 3a only

Installation

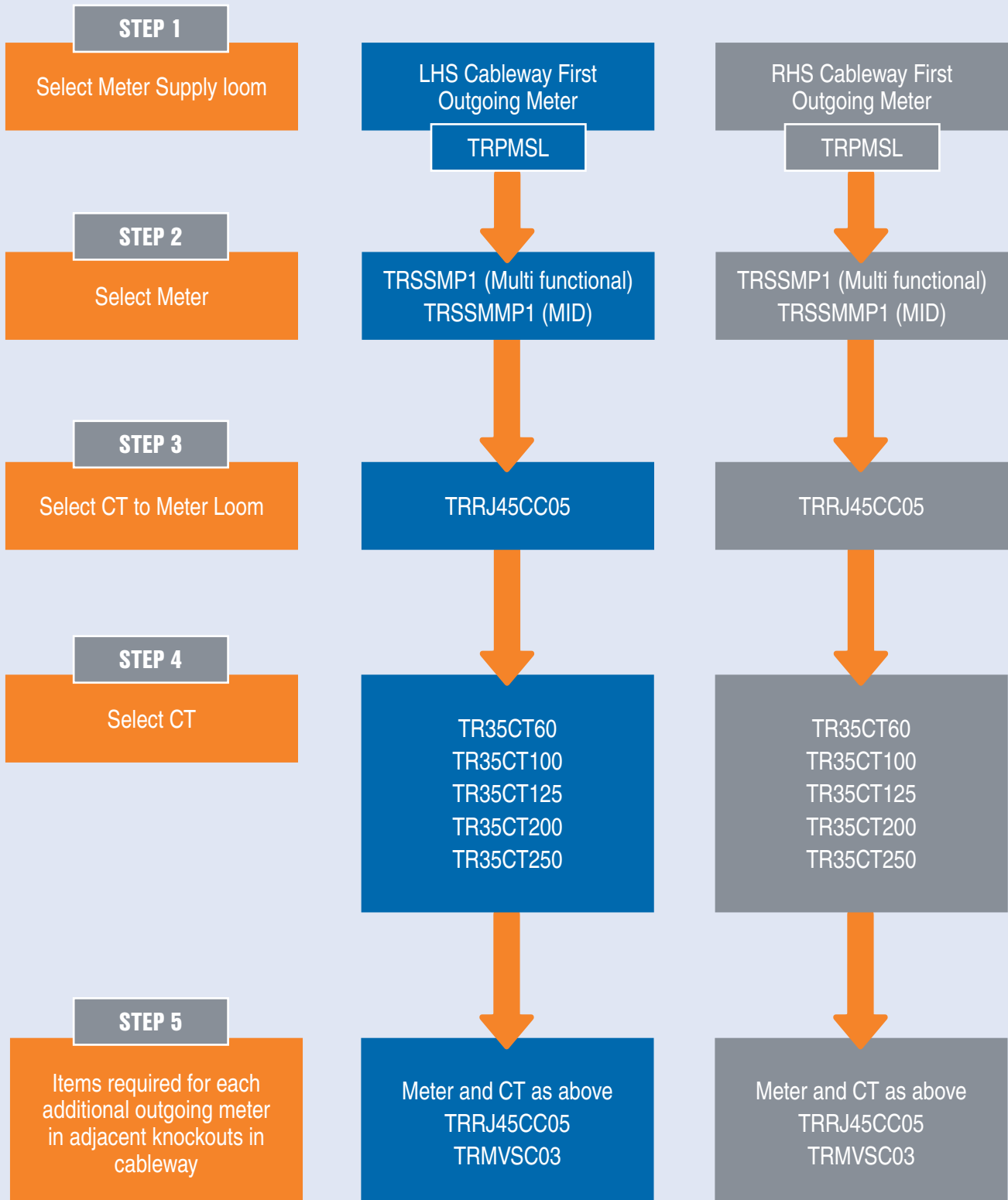
- Mounting the 2 x 400A panel board directly above the incomer does not require any additional interconnection kits.
- Mounting any panel board above another panel board requires:
 - 1 x TRPICK800 or TRPICK400 Busbar interconnection kit
 - 1 x TRPEK Busbar extension kit
- Mounting a panel board above a 2 x 400A panel board requires:
 - 1 x TRPCK800 Busbar interconnection kit
- Boards may be fed from a top entry incoming enclosure.
 - Enclosure to be inverted and located at the top
 - Device and front shield to be moved up to top
 - 1 x TRPEK Busbar extension kit required.
- Cableways are not mandatory but are recommended.
- Cableways are mandatory for outgoing meters,
- Cableway meter door kits are mandatory for outgoing meters.

Metering

- When fitting outgoing meters:
 - Meter supply loom 1 per cableway
 - Single channel Std or MID meter x 1
 - CT to Meter harness x 1
 - CT (rating dependant) x 1
- For additional meters:
 - Meter to Meter harness x 1
 - Single channel Std or MID meter x 1
 - CT to meter harness x 1
 - CT (rating dependant) x 1
 - Meter kits include meter, CT, connections and mounting parts



Resilience Plus Outgoing Meter Selection Flow Chart

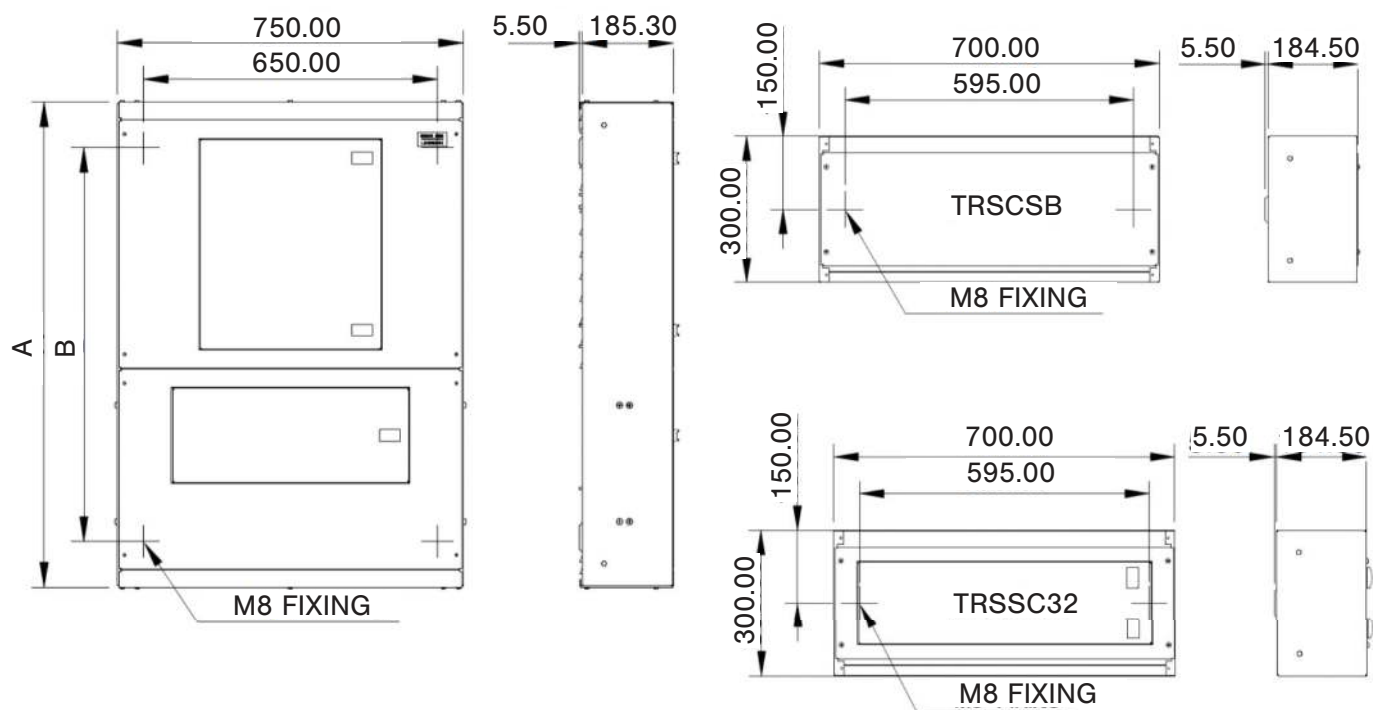




Resilience Standard Panel Boards Dimensions

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Resilience Standard Panel Board 250A



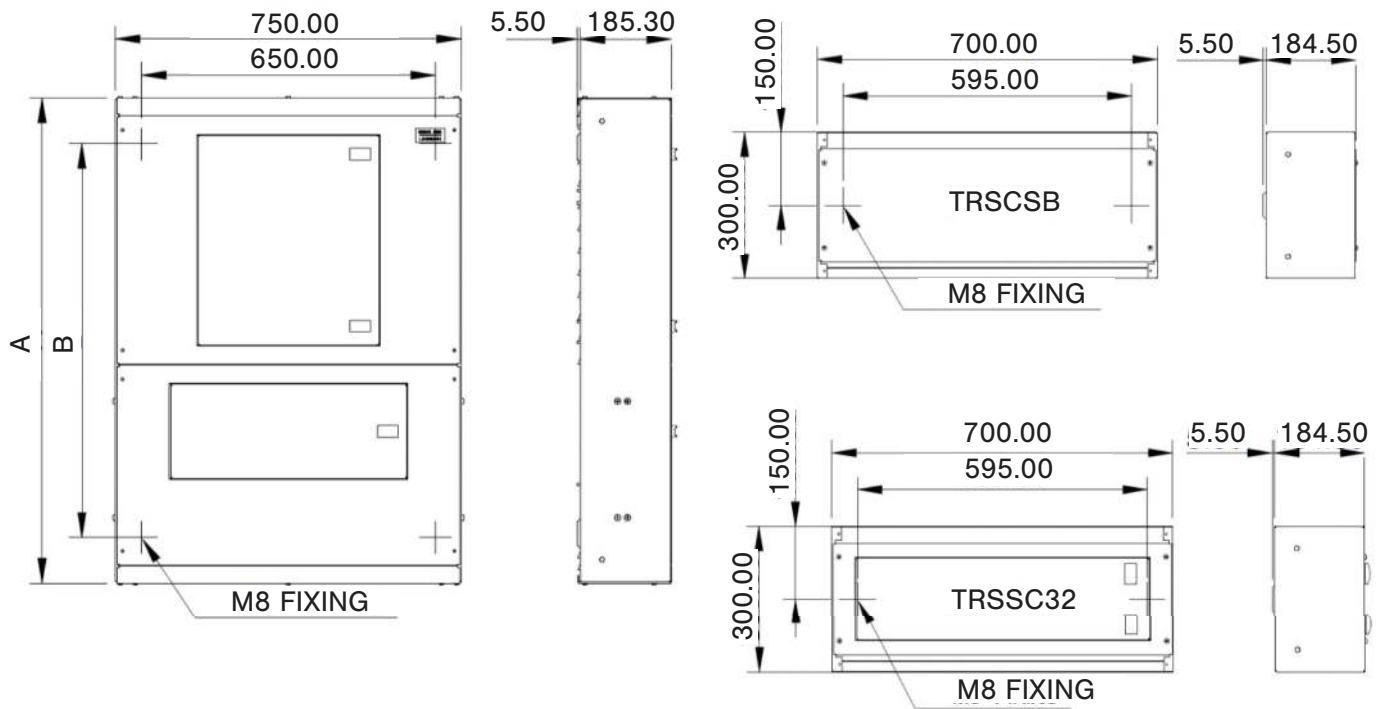
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)
TRS25004TM125	835	645	31
TRS25006TM125	910	720	34
TRS25008TM125	985	795	37
TRS25012TM125	1135	945	44



Resilience Standard Panel Boards Dimensions

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Resilience Standard Panel Board 400A



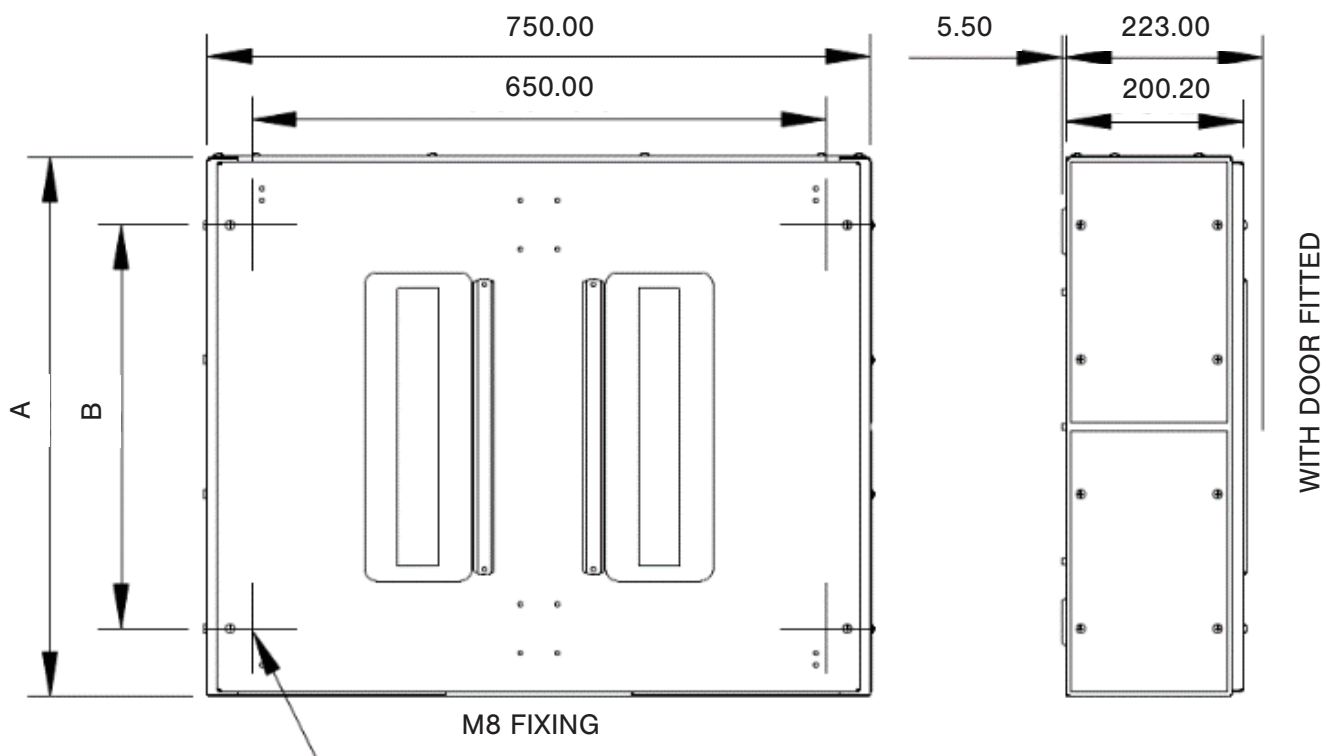
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)
TRS40006TM125	1060	870	40
TRS40008TM125	1135	945	44
TRS40012TM125	1285	1095	52
TRS40018TM125	1510	1320	60



Resilience Plus Panel Boards Dimensions

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Resilience Plus Panel Board 400A Form 3a



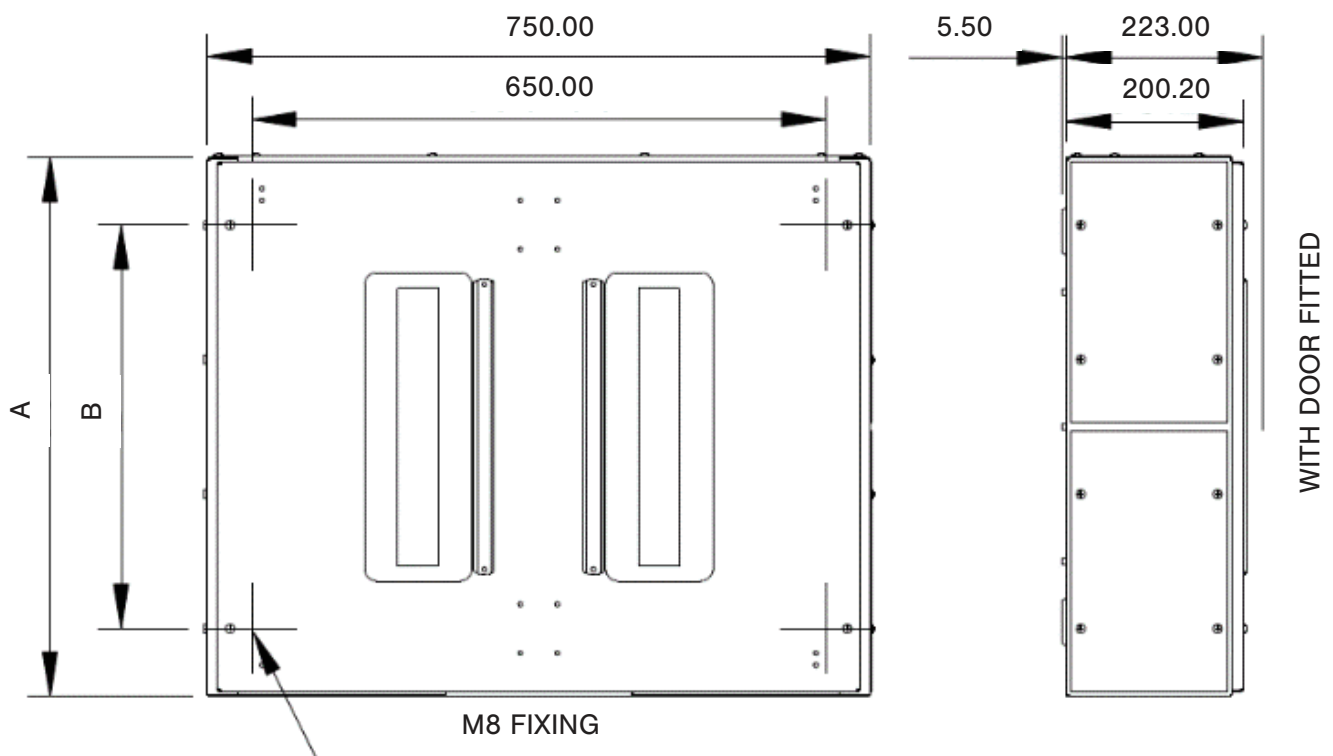
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)	Modular Heights
TRP40006TM250	609	457	36	4
TRP40012TM250	914	762	52	6
TRP40018TM250	1219	1066	66	8



Resilience Plus Panel Boards Dimensions

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Resilience Plus Panel Board 800A Form 3a



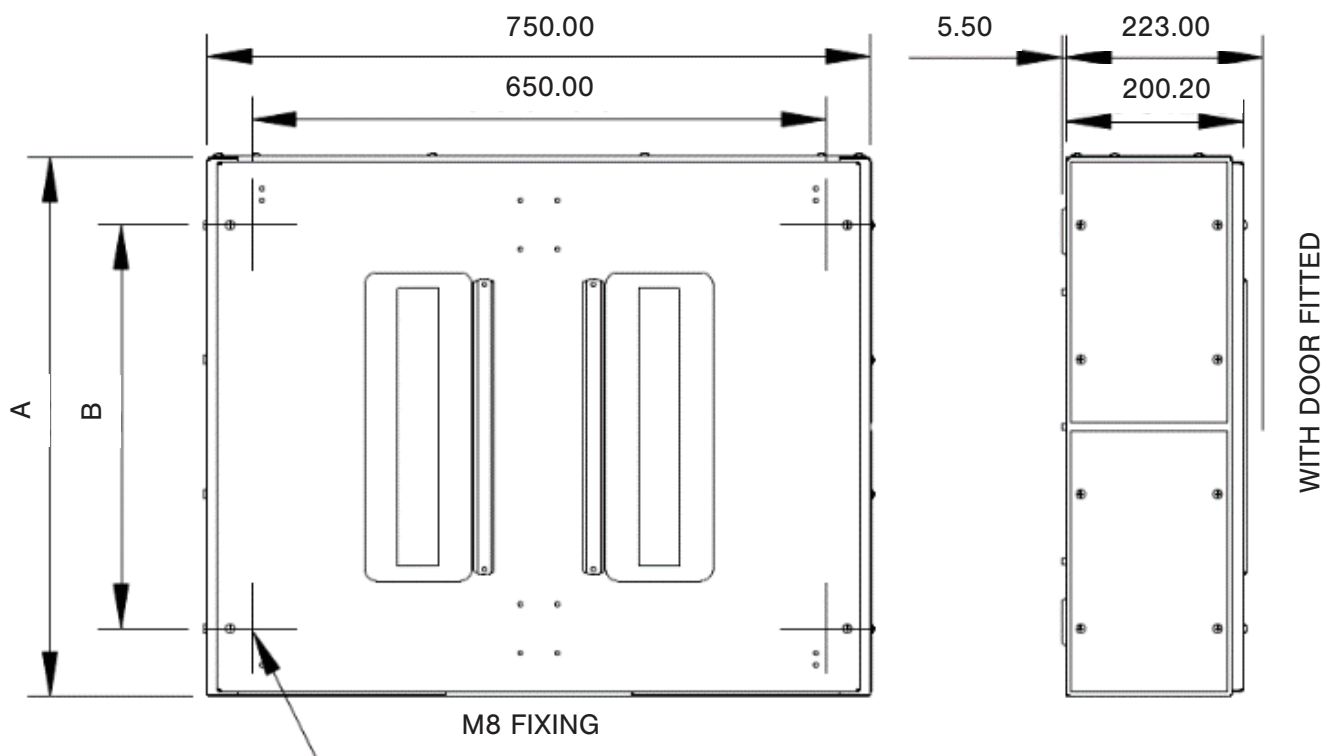
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)	Modular Heights
TRP80006TM250	609	457	43	4
TRP80012TM250	914	762	63	6
TRP80018TM250	1219	1066	78	8



Resilience Plus Panel Boards Dimensions



Resilience Plus Panel Board 400A Form 3a Electronic MCCB



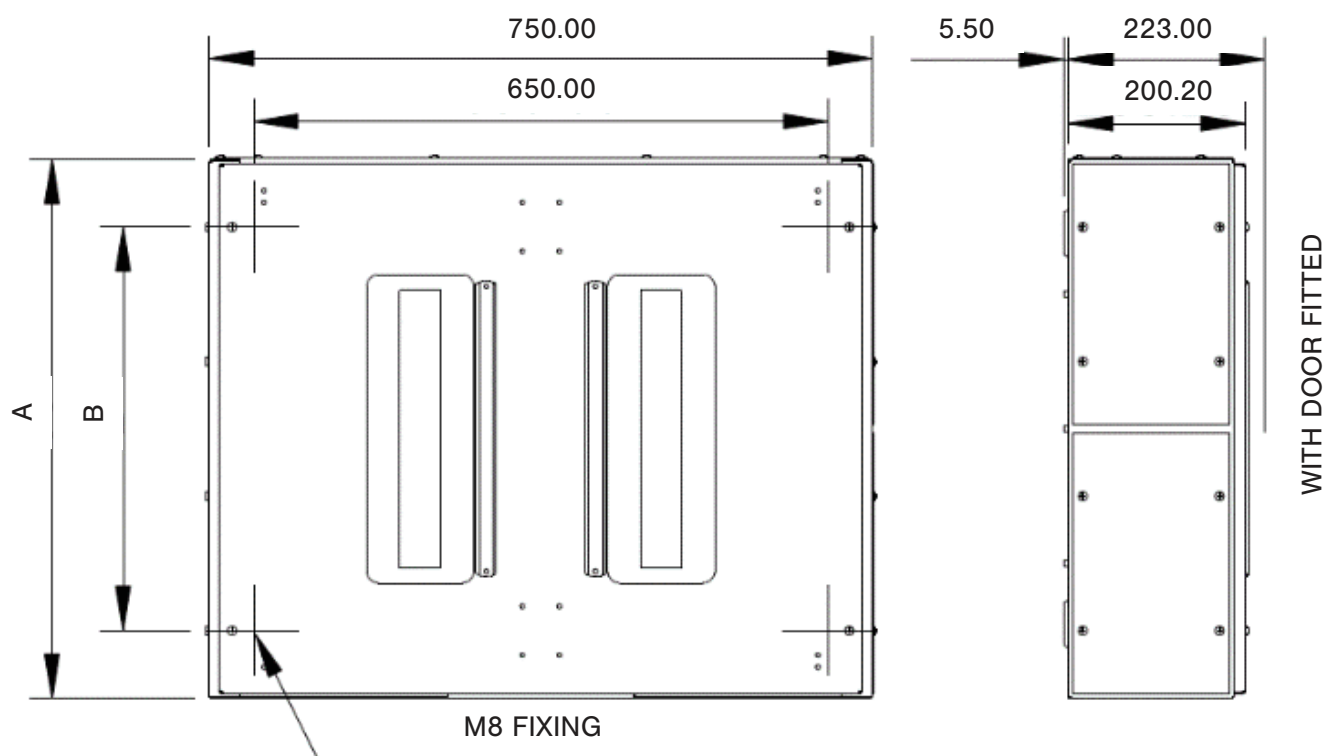
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)	Modular Heights
TRP40006ELE250	609	457	36	4
TRP40012ELE250	914	762	52	6
TRP40018ELE250	1219	1066	66	8



Resilience Plus Panel Boards Dimensions



Resilience Plus Panel Board 800A Form 3a Electronic MCCB



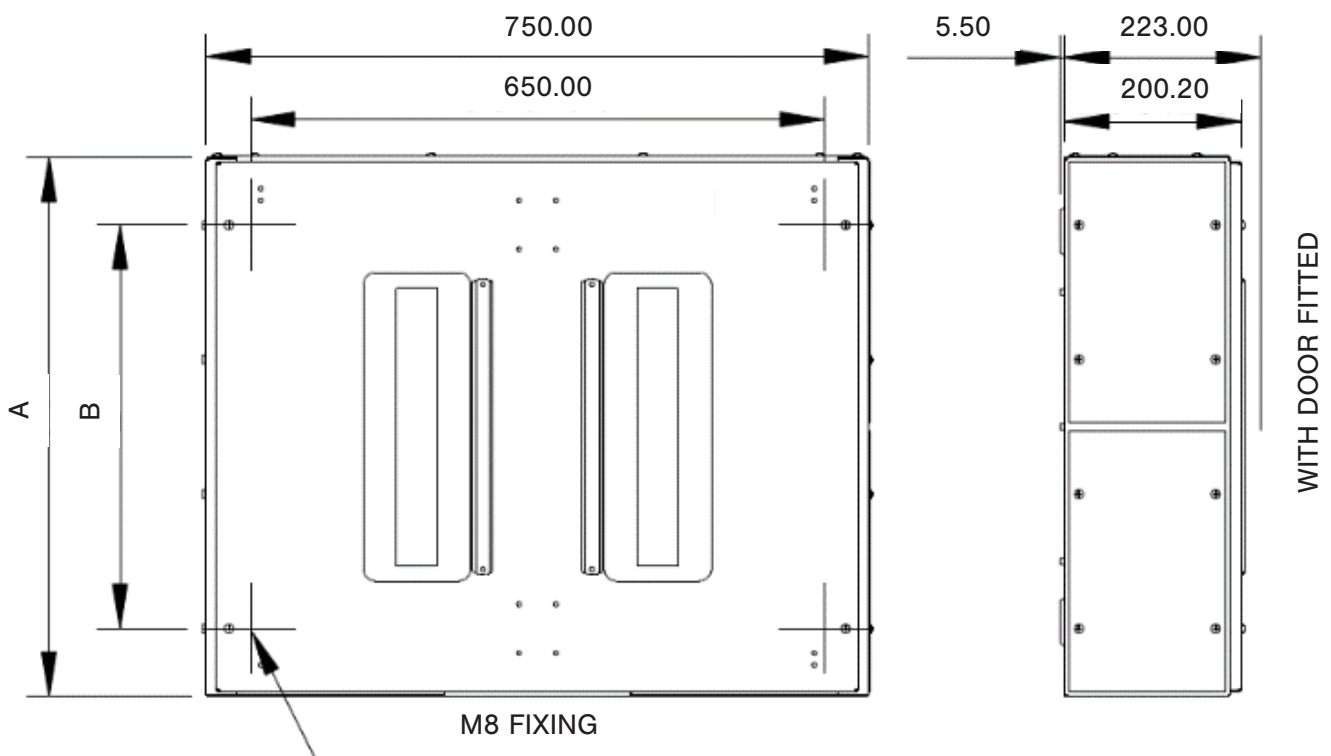
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)	Modular Heights
TRP80006ELE250	609	457	42	4
TRP80012ELE250	914	762	62	6
TRP80018ELE250	1219	1066	78	8



Resilience Plus Panel Boards Dimensions



Resilience Plus Panel Board 400A Form 3b Type 2 Electronic MCCB



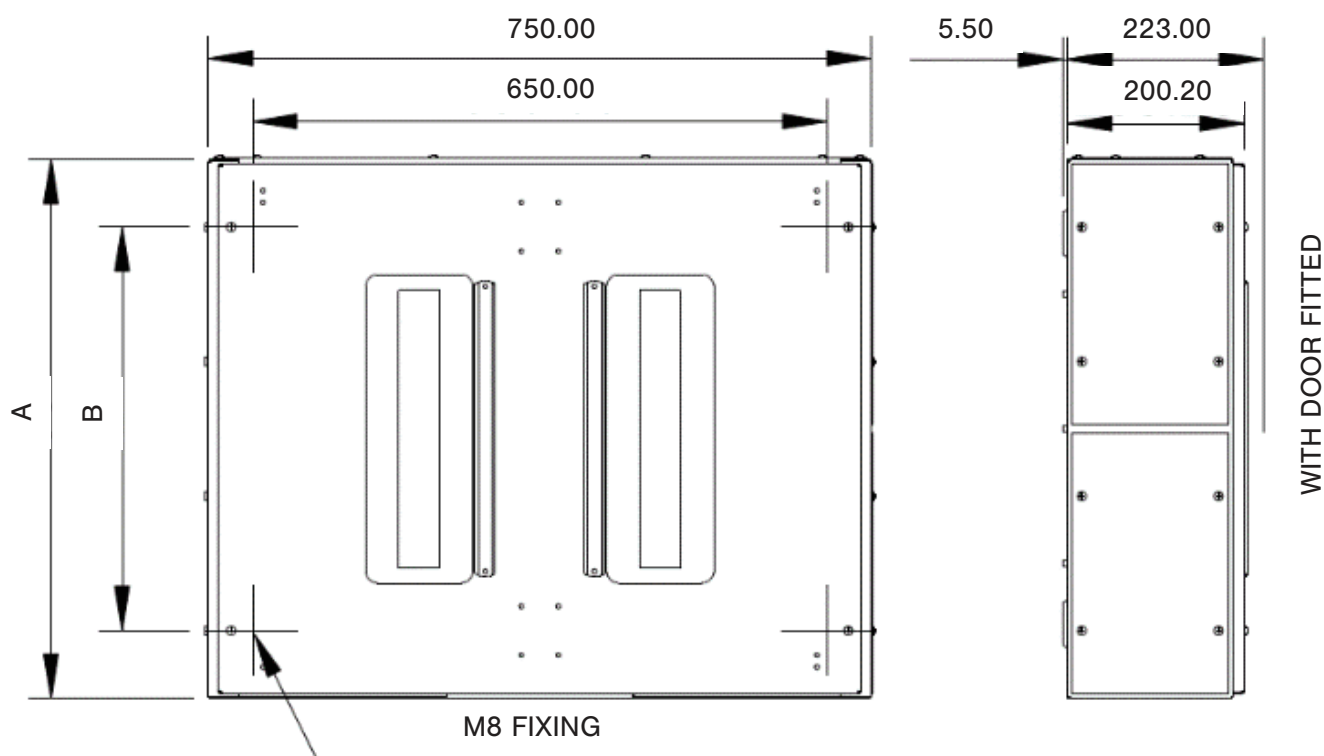
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)	Modular Heights
TRP40006ELE2250	609	457	36	4
TRP40012ELE2250	914	762	52	6
TRP40018ELE2250	1219	1066	66	8



Resilience Plus Panel Boards Dimensions



Resilience Plus Panel Board 800A Form 3b Type 2 Electronic MCCB



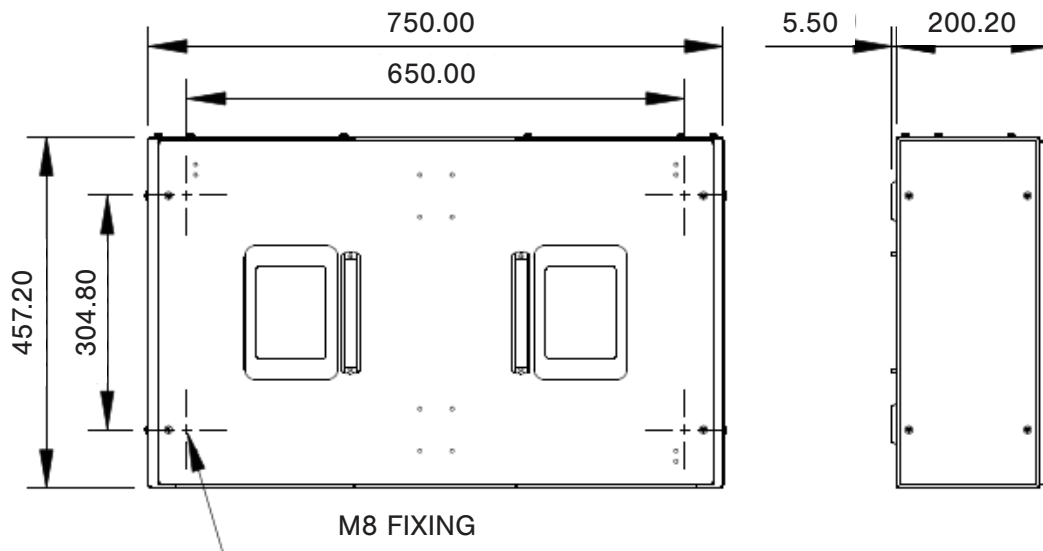
Product Code	Height A (mm)	Fixings B (mm)	Weight (kg)	Modular Heights
TRP80006ELE2250	609	457	42	4
TRP80012ELE2250	914	762	62	6
TRP80018ELE2250	1219	1066	78	8



Resilience Plus Panel Boards Dimensions



Resilience Plus Twin 400AF Outgoing Housing



Product Code	Modular Height	Weight (kg)
TRP80002TM400	3	35

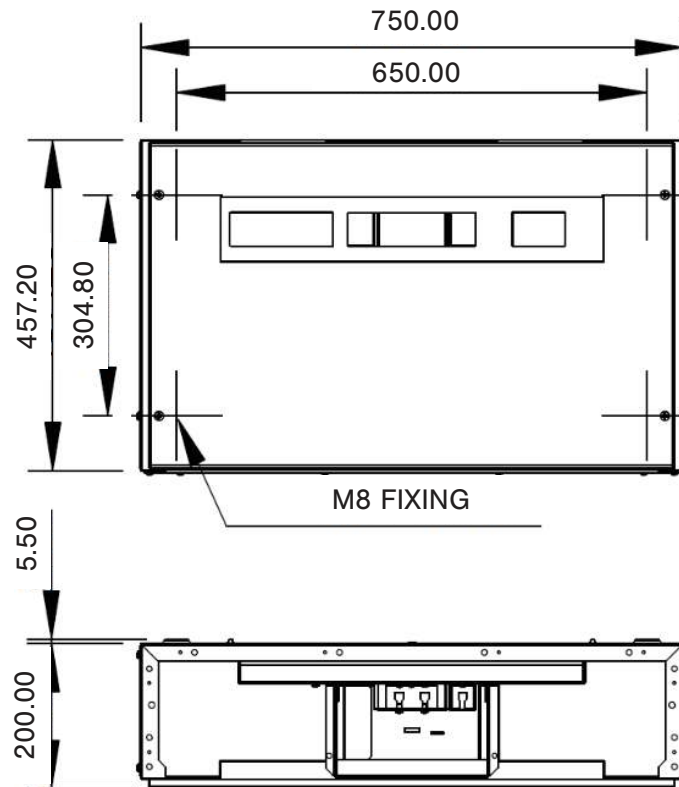




Resilience Panel Boards Dimensions

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Incomer Housing 250AF 250A



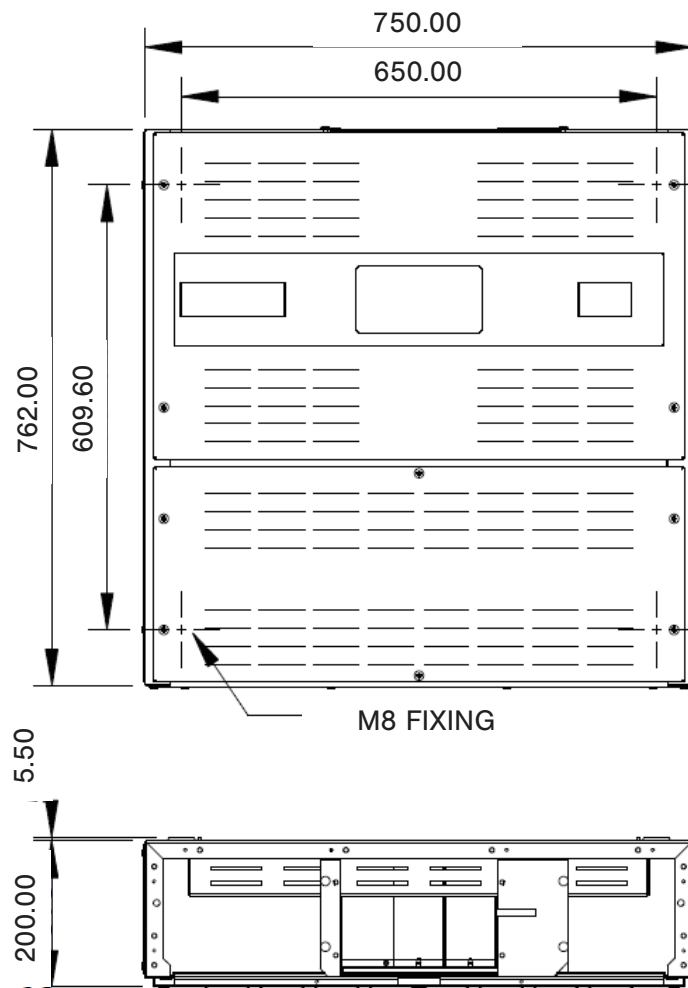
Product Code	Modular Height	Weight (kg)
TRP250INC	3	26



Resilience Panel Boards Dimensions

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400A/630A Incomer Housing (for 800AF incomer device)



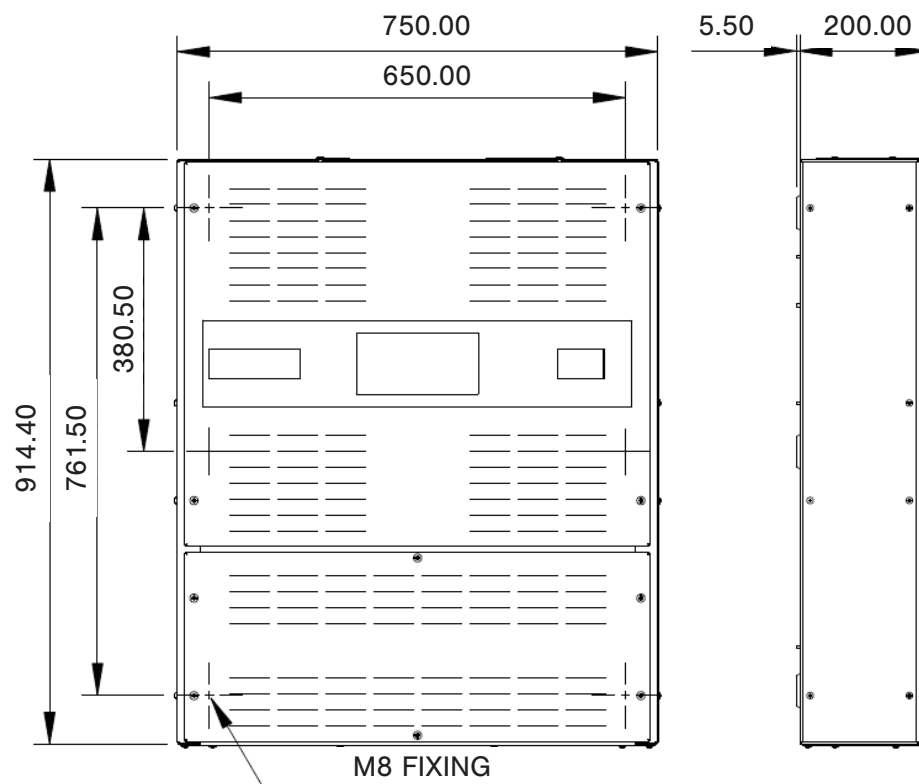
Product Code	Modular Height	Weight (kg)
TRPDHINC	5	45



Resilience Plus Panel Boards Dimensions

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800A Incomer Housing (for 1250AF incomer device)



Product Code	Modular Height	Weight (kg)
TRPHXINC	6	69

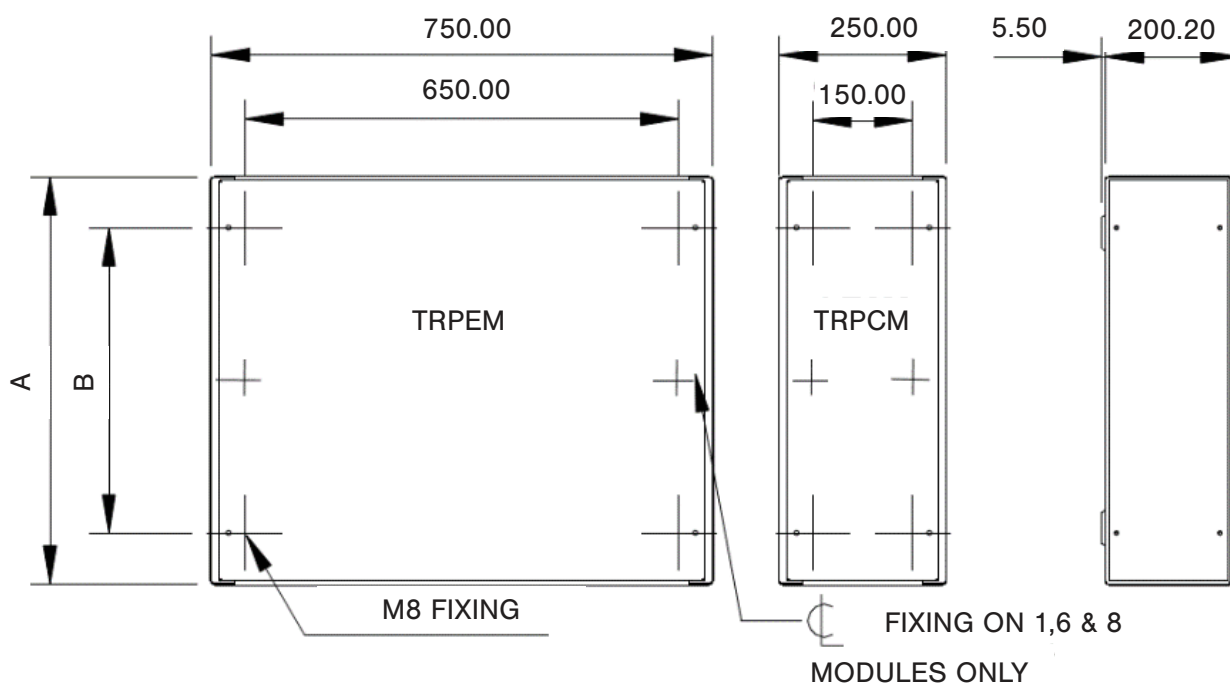




Resilience Panel Boards Dimensions



Relisience Plus Enclosures & Cableways



Modular Height	Enclosure Product Code	Side Cableway Product Code	Cableway Meter Door Product Code
1	TRPEM1	TRPCM1	N/A
2	TRPEM2	TRPCM2	TRPCMD2
3	TRPEM3	TRPCM3	TRPCMD3
4	TRPEM4	TRPCM4	TRPCMD4
4	TRPEM5	TRPCM5	TRPCMD5
6	TRPEM6	TRPCM6	TRPCMD6
8	N/A	TRPCM8	TRPCMD8

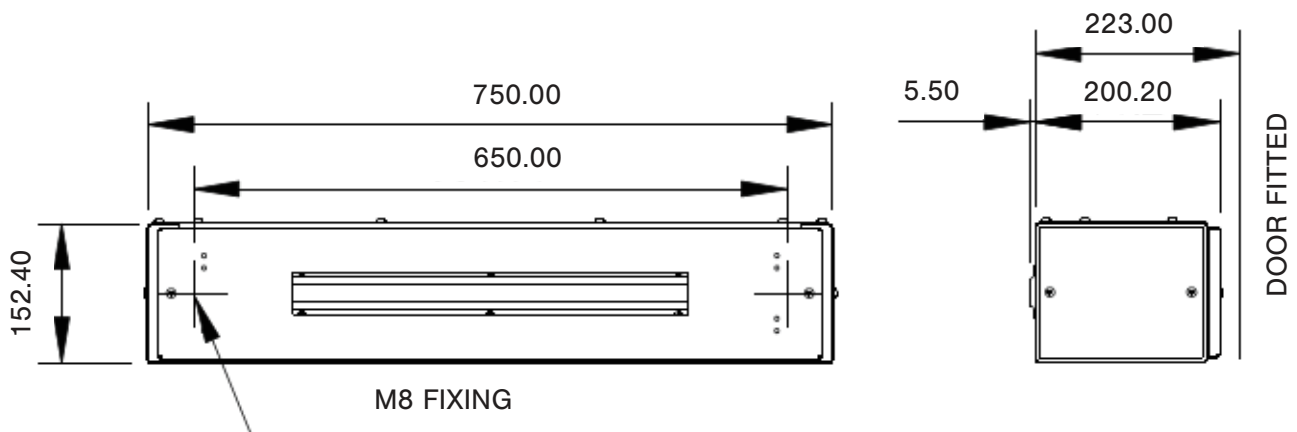


Resilience Panel Boards Dimensions

Product Code	Height A (mm)	Height B (mm)	Weight (kg)	Max no. of meters
TRPEM1	152	-	4	-
TRPEM2	305	152	10	-
TRPEM3	457	305	16	-
TRPEM4	609	457	22	-
TRPEM5	762	609	28	-
TRPEM6	914	762	34	-
TRPCM1	152	-	2	-
TRPCM2	305	152	4	2
TRPCM3	457	305	6	3
TRPCM4	609	457	8	4
TRPCM5	762	609	10	6
TRPCM6	914	762	12	6
TRPCM8	1219	1066	14	9



Resilience Plus Service Centre



Product Code	Weight (kg)
TRPSCM24	10



Resilience Plus Panel Boards

Separation Forms

Form	Description	Subcategories		Details
3a	Separation of busbars from functional units and separation of functional units from each other.	Terminals for external conductors not separated from busbars		Terminals of each functional unit are not separated from each other.
3b	Separation of busbars from functional units and separation of functional units from each other.	Terminals for external conductors separated from busbars	Type 1:	Busbar separation by insulated coverings.
			Type 2:	Terminals separated by metallic or non-metallic rigid barriers.

These forms of separation are defined in IEC 61439 and are used to ensure safety and functionality within electrical switchboards.

Terasaki's Resilience Standard and Resilience Plus panel boards are available as form 3a and 3b as below:

- Resilience Standard 250A Form 3b Type 2
- Resilience Standard 400A Form 3b Type 2
- Resilience Plus 400A Form 3a Panel boards
- Resilience Plus 800A Form 3a Panel boards
- Resilience Plus 400A Form 3a Electronic Panel boards
- Resilience Plus 800A Form 3a Electronic Panel boards
- Resilience Plus 400A Form 3b Type 2 Electronic Panel boards
- Resilience Plus 800A Form 3b Type 2 Electronic Panel boards



Resilience Plus Panel Boards

Cable Sizes

Max cable sizes

Incoming

Panel board	Incomer	Std Lug	Reduced Palm Lug	Cable Clamp
Resilience Plus & Standard	E/S250	95	150	120
Resilience Standard	E/S400	95	185	240
Resilience Plus	S800	2 x 240	2 x 300	NA
Resilience Plus	S1250	2 x 240	2 x 300	NA

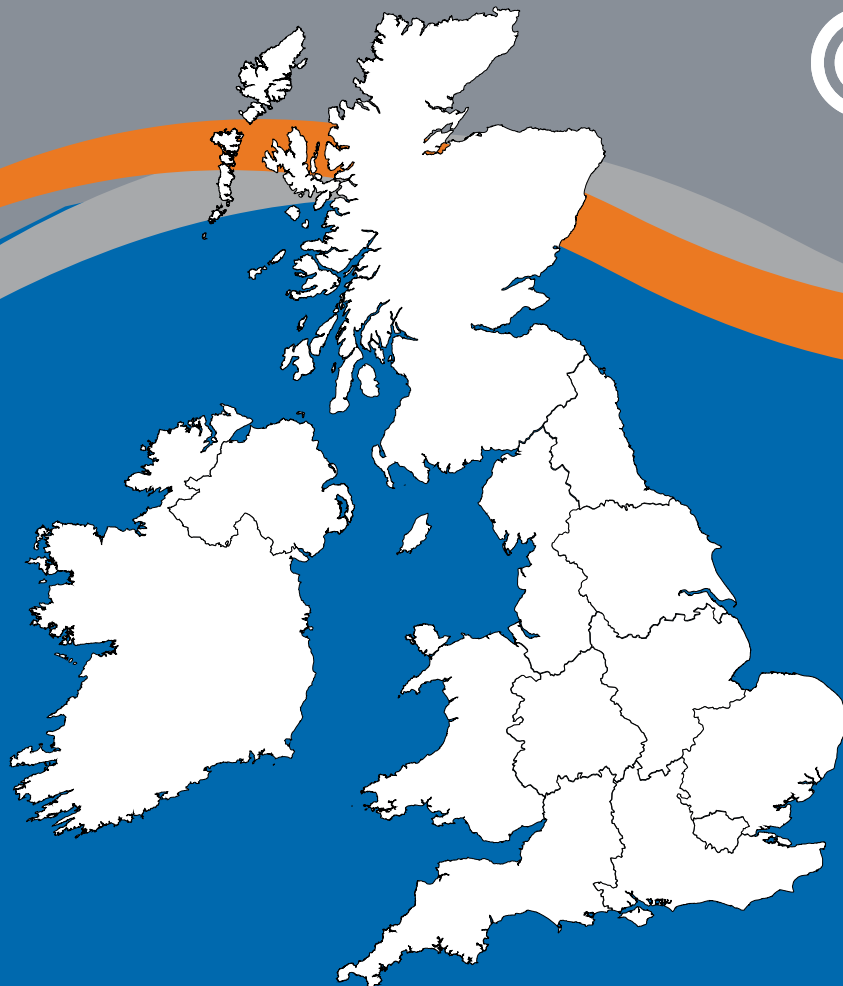
Outgoing

Panel board	Outgoer	Std Lug	Reduced Palm Lug	Cable Clamp
Resilience Standard	S160	NA	NA	70
Resilience Plus	E/S250	95	150	120
Resilience Plus	E/S400	95	185	240

Neutral/Earth Cables

Resilience Standard up to 70mm²

Resilience Plus up to 120mm² (ranges from 16mm² to 120mm²)



We have a network of Regional Sales Managers to cover the UK and Ireland. Call the number below for your nearest contact.

Terasaki Electric (Europe) Ltd.
80 Beardmore Way
Clydebank Industrial Estate
Glasgow G81 4HT,
SCOTLAND



0141 941 1940
sales@terasaki.co.uk



www.terasaki.com

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