

Important Safety Notice

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

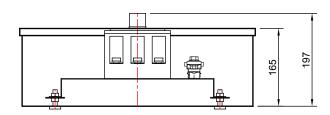
All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation.

All connections should be checked periodically to ensure correct tightness.

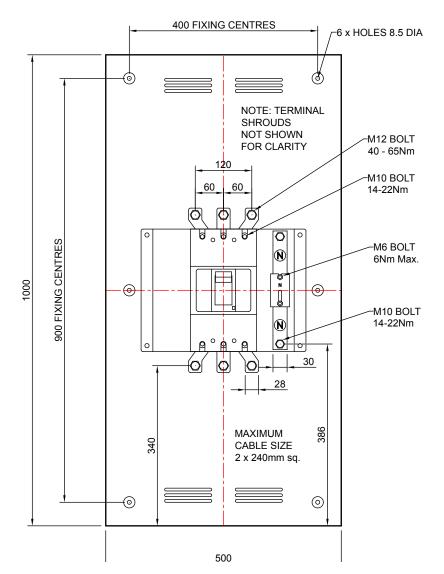
DO NOT USE POWER TOOLS ON THESE PRODUCTS

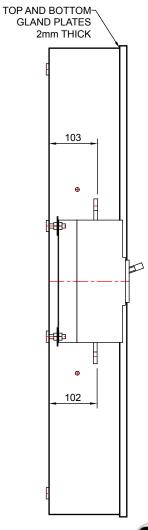


MCCB400-3PNL-MC



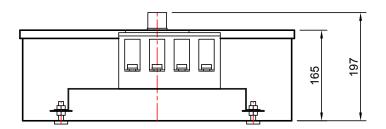
WARNING: All connections (including factory made) must be checked for the correct tightness prior to the commissioning of the electrical installation





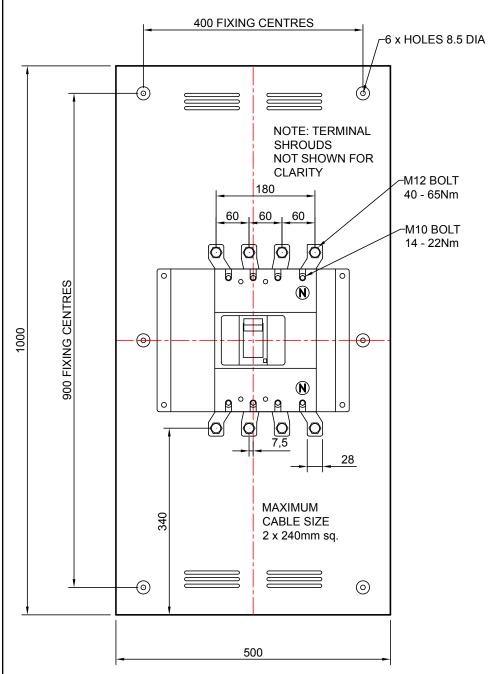


MCCB400-4P-MC



WARNING: All connections (including factory made) must be checked for the correct tightness prior to the commissioning of the electrical installation

TOP AND BOTTOM-



GLAND PLATES 2mm THICK 103 102



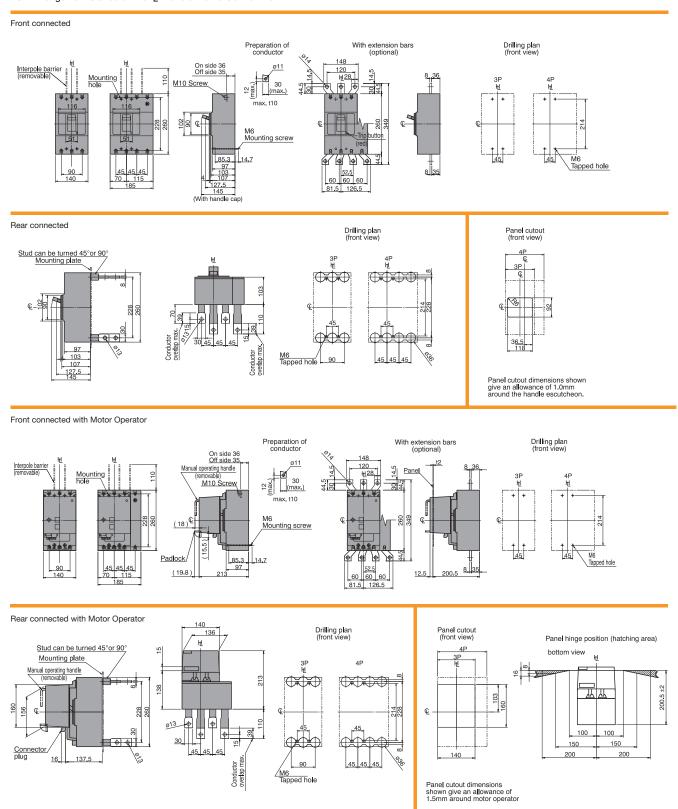
MCCB Electrical Characteristics to IEC 60947-2, EN 60947-2, JIS C 8201-2-1 ANN.1, AS/NZS 3947-2, NEMA AB-1

Frame Reference	Quantity	Unit	Condition	TB2 E/S 630
Max In (A) of Frame				630
Model				S400
Number of Poles				3, 4
Туре				CJ
Nominal current ratings				
Nominal carrent radings	In	(A)	50°C	250
	'n	(A)	30 0	400
Electrical characteristics				
	U _e	0.0	AC 50/60 Hz	690
Rated operational voltage	U _e	(V)	DC DC	250
Rated insulation voltage	Ui	(V)		800
Rated impulse withstand voltage	U _{imp}	(kV)		8
Ultimate breaking capacity	Iau	(kA)	690V AC	45
(IEC, JIS, AS/NZS)	'cu	(10.1)	525V AC	15 22
,			440V AC	30
			400/415V AC	36
			220/240V AC 250V DC	50
			250 V DC	40
Service breaking capacity	Ics	(kA)	690V AC	15
IEC, JIS, AS/NZS)			525V AC	22
			440V AC 400/415V AC	30 36
			220/240V AC	50
			250V DC	40
2 () [() [() [) [() [) [) [() [) [(1.4)	400) / 4.0	
Rated breaking capacity (NEMA)		(kA)	480V AC 240V AC	22 50
			2101710	
Rated short-time withstand current	I _{cw}	(kA)	0.3 Seconds	-
Protection				
Adjustable thermal, adjustable magnetic				
Fixed thermal, fixed magnetic				
Microprocessor				
Jtilisation category				Α
nstallation				
Front connection (FC)				
Extension bar (FB)				•
Cable clamp (FW)				•
Rear connection (RC)				•
Plug-in (PM) DIN rail mounting (DA)				•
Dimensions	height	(mm)		260
	width	(mm)	3 pole	140
		(mm)	4 pole	185
No:-h4	depth	(mm)	2	103
Veight	weight	(kg)	3 pole 4 pole	4.3 5.6
			4 pole	0.0
Operation				
Direct Opening Action				
Toggle operation Door mounted (HS) / Breaker mounted handle (HB)				•
Motor operation (MC)				•
Endurance	Electrical	cycles	415V AC	4.500
	Mechanical	cycles		4,500 15,000



Outline Dimensions S400-CJ

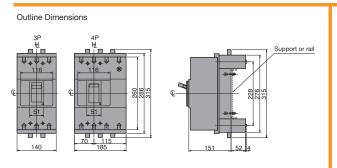
ASL: Arrangement Standard Line Hा: Handle Frame Centre Line

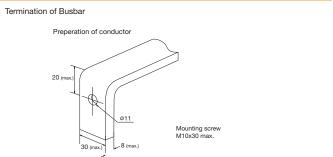




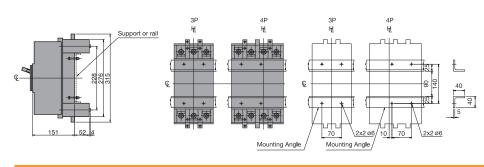
Outline Dimensions S400-CJ Plug-in Version

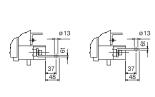
ASL: Arrangement Standard Line H: Handle Frame Centre Line





Mounting on a support or rails (shown with optional connection bars oriented for rear access)



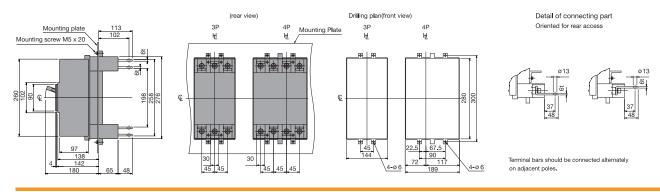


Detail of connecting part

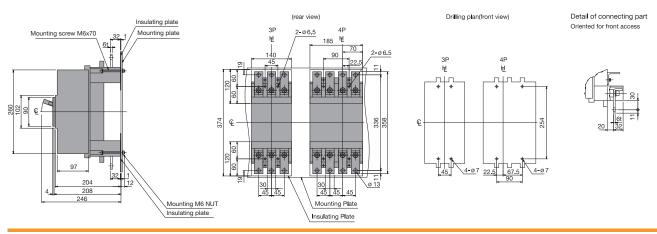
Oriented for rear access

Terminal bars should be connected alternately on adjacent poles

Mounting through the backplate (shown with optional connection bars oriented for rear access)

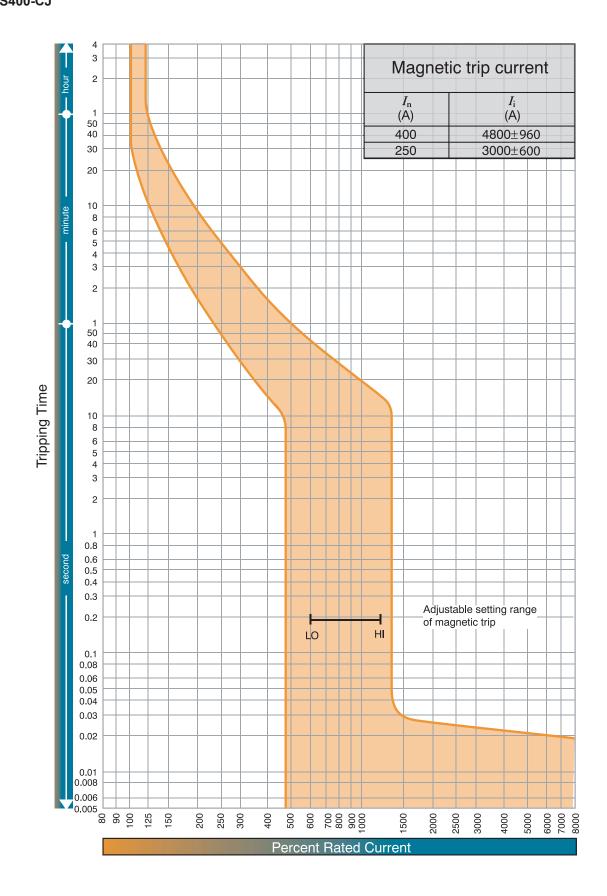


 $Mounting \ on \ the \ backplate \ (\ optional \ connection \ bars \ must \ be \ oriented \ for \ front \ access)$

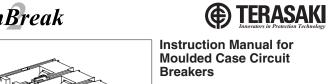




Time/Current Characteristic Curve S400-CJ







Instruction Manual for Moulded Case Circuit

Types

- Adjustable Thermal Magnetic Type E400-NJ S400-CJ S400-NJ S400-GJ S400-PJ
- Electronic Type S400-NE S400-GE S400-PE

Please retain this manual for future reference. The Manufacturer assumes no responsibility for damages resulting from non-application or incorrect application of the instructions provided herein.

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2G0789SAB(KRB-5336b)

1 Safety Notices

Be sure to read these Instructions and other associated documents accompanying the product thoroughly to be familiarize yourself with the product handling, safety information, and all other precautions before mounting, using, servicing, or inspecting the product. In these Instructions, safety notices are divided into "Warning" and "Caution" according to the hazard

⚠Warning : A warning notice with this symbol indicates that neglecting the suggested procedure or practice could result in lethal or serious personal injury.

ACaution : A caution notice with this symbol indicates that neglecting the suggested procedure or practice could result in moderate or slight personal injury and/or property damage. Note that failing to observe Acaution notices could result in serious results in some cases. Because safety notices contain important information, be sure to read and observe them.

■Mounting Precautions

(For detailed mounting dimensions, refer to the TemBreak2 catalogue.)

↑ Caution

- Electrical work should only be undertaken by suitably qualified persons.
- •Do not place the product in an area that is subject to high temperature, high humidity, excessive dusty air, corrosive gas, strong vibration and shock, or other unusual conditions. Mounting in such areas could cause a fire or malfunction
- •Be careful to prevent foreign objects (debris, concrete powder, iron powder, etc.) and rainwater from entering product. These materials inside the product could cause a fire
- Prior to commencing any work on the product, open an upstream circuit breaker or isolator to ensure that no voltage is applied to the product. Otherwise, electrical shock may result.
- ●For 4-pole breakers, be sure to connect a neutral conductor to the N pole. Otherwise, an over-current may hinder the product from tripping, thus resulting in a fire.
- •When connecting cable or busbar to the product, tighten terminal screws to the torque specified in this manual. Otherwise, a fire could result.
- Even when tightening the terminal screws and after conductor connection, do not apply excessive force to the terminals. Otherwise, a
- ●For front-connected breakers, Insulate all bare conductors of the line side until the breaker end. If interpole barriers are packed, be sure to use the barriers; moreover, insulate all bare conductors by insulating tape or the like so that the tape overlaps with the barriers. Insufficient insulation may result in short-
- •Do not block the arc gas vents of the product to ensure adequate arc space. Blocking these vents could result in failure of circuit interruption.

■Handling Precautions

⚠ Warning

Never touch terminals. Otherwise, electric shock may result

⚠ Caution

•When the breaker trips open automatically, remove the cause, then return the handle to the |(ON) position. Should a fault be interrupted, the breaker must be inspected. Otherwise, a fire may result.

■Maintenance Precautions

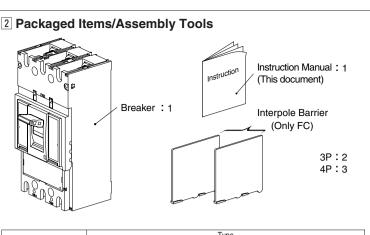
⚠ Caution

- •Service and/or inspection of the product must be done by persons having expert
- •Before servicing or inspecting the product, open an upstream circuit breaker or the like to isolate all sources of power. Otherwise, electric shock may result.
- •Regularly check that the breaker terminal screws are tightened to torque values shown within this manual, failure to do so may result in fire.

4 Fitting Internal Accessories

· After fitting, verify the function of the Accessory.

- · Do not carry this product by accessory leads, as this may cause damage to the
- · Unauthorised opening of the breaker cover will invalidate product warranty.
- · When installing the product, use wires or conductors, the cross sectional areas of which accommodate the rated current of the product. Using wires or conductors with inadequate cross sectional areas may cause false tripping and overheat



Connections/Poles		l ype		
		400AF		
		Qty	S400-CJ S400-□J S400-□E	
Front Connected (FC)	3P	6	M10×25	
	4P	8		
	3P	4	M6×100	
	4P	4	IVI6∧100	
Rear Connected (RC)	3P	6	M12×35	
	4P	8		
	3P	4	M6×100 №	
	4P	4		
Plug-in Connected (PM)	3P	4	M6×120	
	4P	4	1010×120	
Flush Plate Where Applicable (F.P.)	3P	6	M12×35	
	4P	8	IVITZ//33 (DID)	
	3P	4	M6×25	
	4P	4	1V10~25 03000	
□ · "N" or "G" or "E	"			



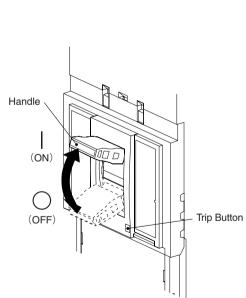












	Operation	Operation effort
E400-NJ S400-CJ S400-□J S400-□E	○(OFF)⇒ (ON)	110N
	(ON)⇒ ○(OFF)	115N
	TRIP⇒ ○(OFF)	125N

