

B800N3800BE

Terasaki TemBreak PRO MCCB 800 Frame 50kA 3P 800A Basic Electronic



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Component type	Power switching circuit breaker
Range	TemBreak PRO
Model	N/A
Product status	Existing

The latest innovation of MCCBs from Terasaki, offering superior performance and versatility.

ELECTRICAL

Rated current I_n	800.0 A
Number of poles	3.0
Max. rated operation voltage U_e AC	690.0 V
Rated ultimate short-circuit breaking capacity I_{cu} at 415 V, 50 Hz	50.0 kA
Rated service short-circuit breaking capacity I_{cs} at 415 V, 50 Hz	50.0 kA
Type of protection trip unit	Electronic release
Trip curve	LSI
Frame size rating	800.0 A
Long time overload protection adjustment range	320 - 800 A
Position of connection for main current circuit	Front side
Instantaneous protection adjustment range	2000 - 9600 A
Rated frequency	50 - 60 Hz
Rated insulation voltage U_i	800.0 V
Suitable for isolation	Yes
Rated short circuit breaking capacity, I_{cu} 690V AC	25.0 kA
Rated short circuit breaking capacity, I_{cs} 690V AC	20.0 kA
Short time withstand current I_{cw} , 0.3 sec	10.0 kA
Short time protection adjustment range	800 - 8000 A
Rated impulse withstand voltage U_{imp}	8.0 kV
Over voltage category	IV
Reverse connection of supply possible	Yes
AC power loss per pole at I_n	93.33 W
Electrical life at U_n , I_n (service cycles)	4000.0 cycles

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ELECTRICAL	Type of electrical connection of main circuit	Bolt connection
	Power loss at rated current	280.0 W
MECHANICAL	Mechanical life (service cycles)	10000.0 cycles
	Vibration acceleration (Max)	19.0 m/s ²
	Vibration frequency, operational (Max)	16.7 Hz
	Vibration duration (Max)	12.0 min
DIMENSIONS	Height	433.0 mm
	Width	210.0 mm
	Pole connection pitch	70.0 mm
	Built-in depth	103.0 mm
	Depth (toggle included)	145.0 mm
	Weight	9.1 kg
ENVIRONMENT	Pollution degree	3.0
	Rated surrounding temperature without derating	50.0 °C
	Ambient temperature during operating	-5 - 70 °C
	Max. temperature	70.0 °C
	Storage temperature	-10 - 70 °C
	Allowable relative humidity	0 - 85 %
CERTIFICATES/APPROVALS	Altitude before derating (Max)	2000.0 m
	Standard	AS/NZS IEC 60947.2

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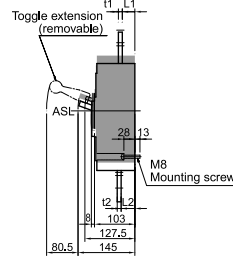
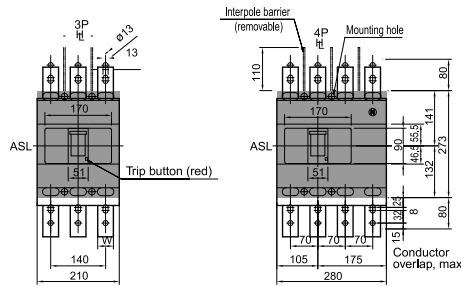
Terasaki TemBreak PRO MCCB 800 Frame 50kA 3P 800A Basic Electronic



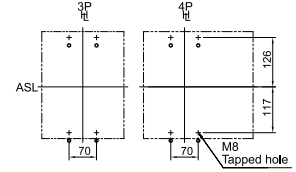
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DIMENSIONAL DIAGRAM

Front Connected With Extension Bars (Optional)

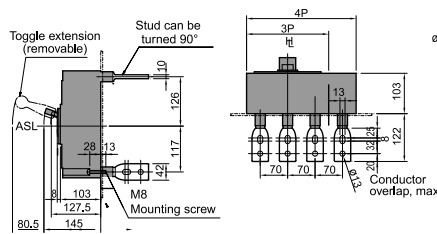


Drilling plan (front view)

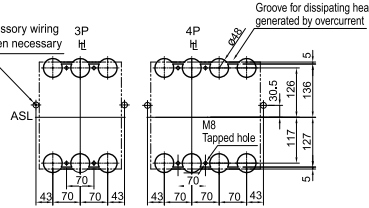


Breaker Type	Rated Current	t1	t2	L1	L2	W
S800-CJ, S800-NJ	630A	8	8	32	34	40
S800-RJ, S800-NN	800A	10	10	32	35	40
S800-NE, S800-RE	630A	8	8	32	36	40
	800A	10	10	32	36	40

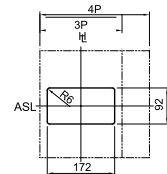
Rear Connected



Drilling plan (front view)



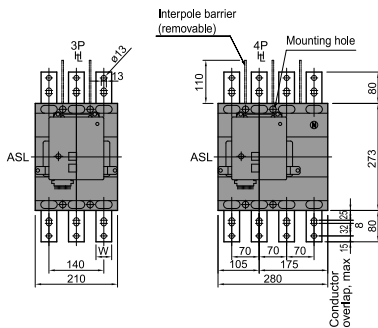
Panel cutout (front view)



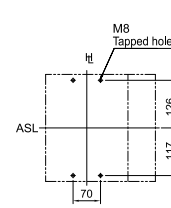
Panel cutout dimensions shown give an allowance of 1.0mm around the handle escutcheon.

Note: Studs are factory installed in horizontal direction both on the line and load sides.

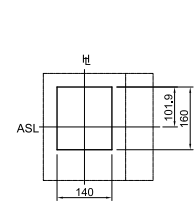
Front Connected With Motor Operator



Drilling plan (front view)

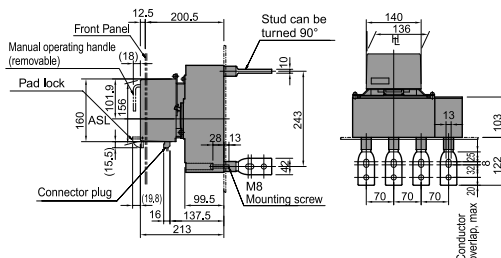


Panel cutout (front view)

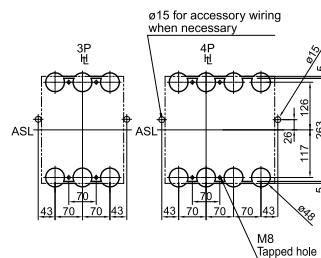


Panel cutout dimensions shown give an allowance of 1.5mm around motor operator.

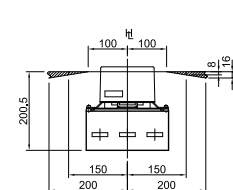
Rear Connected With Motor Operator



Drilling plan (front view)



Panel hinge position (hatching area) (bottom view)



Note: Studs are factory installed in horizontal direction both on the line and load sides.

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RELATED PRODUCTS

ACCESSORY



Item No: 1H3813DAA

Required: No

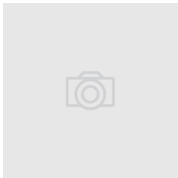
Description: Terasaki NOT FOR WEBSITE ACB Drawout Handle



Item No: 2A2272BAB

Required: No

Description: Terasaki TemBreak 1 Handle Extension X6 to X8



Item No: 2M1158CAA

Required: No

Description: Terasaki TemBreak PRO Plug In Conversion Kit for 3P B800 MCCB



Item No: 2M2869CAA

Required: No

Description: Terasaki TemBreak 2 Withdrawable Plug In Kit Rear 3P for Moulded Case Circuit Breaker Rear 800A



Item No: T2AL00B1STA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 NO Contact Heavy Duty Type



Item No: T2AL00B2STA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 NC Contact Heavy Duty Type



Item No: T2AL00M3RTA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 CO Contact Microcurrent Type



Item No: T2AL00M3STA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 CO Contact General Type



Item No: T2AL00M3SWA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 CO Contact Wired Type



Item No: T2AX00B1STA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 NO Contact Heavy Duty Type



Item No: T2AX00B2STA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 NC Contact Heavy Duty Type



Item No: T2AX00M3RTA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 CO Contact Microcurrent Type



Item No: T2AX00M3STA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 CO Contact General Type



Item No: T2AX00M3SWA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 CO Contact Wired Type



Item No: T2AX00M4SWA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Models 1 CO Contact 2nd Position Wired Type



Item No: T2AX00M5SWA

Required: No

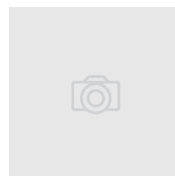
Description: Terasaki TemBreak PRO Auxiliary Switch for B Models 1 CO Contact 3rd Position Wired Type



Item No: T2BA403SH

Required: No

Description: Terasaki TemBreak PRO Interpole Barriers for 400 to 1600A Frames Qty 2



Item No: T2CF00L

Required: No

Description: Terasaki TemBreak PRO Terminal Cover Clip for ZS125/B160/ZS250/B250

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RELATED PRODUCTS

ACCESSORY



Item No: T2CF803SLHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 3P B800 and B1000 MCCB Qty 1

Item No: T2CF803SLNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 3P B800 and B1000 MCCB Qty 2

Item No: T2CR803LHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for B800P/B800R 3P MCCB Qty 1

Item No: T2CR803LNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for B800P/B800R 3P MCCB Qty 2

Item No: T2CR803SHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for B800/B1000 3P MCCB Qty 1

Item No: T2CR803SNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for B800/B1000 3P MCCB Qty 2

Item No: T2DF40A

Required: No

Description: Terasaki TemBreak PRO Door Flange IP30 for P400/P630 MCCB

Item No: T2DM40A

Required: No

Description: Terasaki TemBreak PRO Door Flange IP30 for P400/P630/B800/B1000 MCCB Motor Operator

Item No: T2GB40N06A

Required: No

Description: Terasaki TemBreak 2 External Ground Fault Current Transformer 630A



Item No: T2GB40N08A

Required: No

Description: Terasaki TemBreak PRO External Ground Fault Current Transformer 800A for B800/L800 MCCB

Item No: T2HB80UR5BNP

Required: No

Description: Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for B800/L800 Black

Item No: T2HB80UR5RNP

Required: No

Description: Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for B800/L800 Red

Item No: T2HL40A

Required: No

Description: Terasaki TemBreak PRO Non Captive Toggle Lock 5 x 16.5mm Slot for B400/B800/B1000

Item No: T2HP80PALK

Required: No

Description: Terasaki TemBreak 2 Handle Mechanism Padlock Device for 800/1000 MCCBs

Item No: T2HP80R6BN

Required: No

Description: Terasaki TemBreak 2 Handle Extention IP65 for 1000 MCCBs Grey

Item No: T2HP80R6ME

Required: No

Description: Terasaki TemBreak 2 Handle IP65 Metal for 800/1000 MCCBs

Item No: T2HS400SHAFT

Required: No

Description: Terasaki TemBreak 2 Handle Shaft 390mm for 400/630 MCCBs

Item No: T2HSESC100

Required: No

Description: Terasaki TemBreak 2 Handle Label Plate 100mm MCCBs



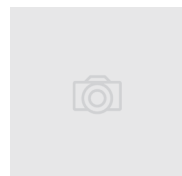
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RELATED PRODUCTS

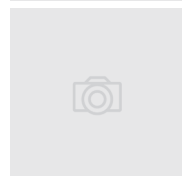
ACCESSORY



Item No: T2MC80A10NP

Required: No

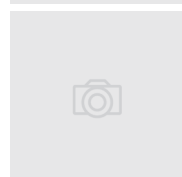
Description: Terasaki TemBreak PRO Motor 110-240V AC for B800/L800/B1000



Item No: T2MC80D02NP

Required: No

Description: Terasaki TemBreak PRO Motor 24-48V DC for B800/L800/B1000



Item No: T2MC80D10NP

Required: No

Description: Terasaki TemBreak PRO Motor 110V DC for B800/L800/B1000



Item No: T2ML80L4A

Required: No

Description: Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 4P B800/L800/B1000 MCCB



Item No: T2ML80RA

Required: No

Description: Terasaki TemBreak PRO Front Link Interlock Right Side Mount for B800/L800/B1000 MCCB



Item No: T2MM40L06A

Required: No

Description: Terasaki TemBreak PRO Motor Interlock Cable 0.6m for MCCB Frames 400 to 1000A



Item No: T2MM40L21A

Required: No

Description: Terasaki TemBreak PRO Motor Interlock Cable 2.1m for MCCB Frames 400 to 1000A



Item No: T2MM40S06A

Required: No

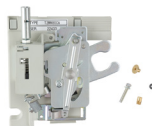
Description: Terasaki TemBreak PRO Motor Interlock Cable 0.6m for B250/ZS250 with 630 to 1000A MCCB



Item No: T2MM40S21A

Required: No

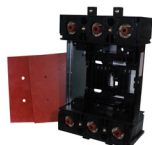
Description: Terasaki TemBreak PRO Motor Interlock Cable 2.1m for P160/P250 with 400 to 1000A MCCB



Item No: T2MW80CA

Required: No

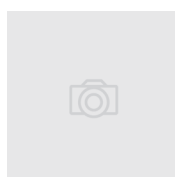
Description: Terasaki TemBreak 2 Cable Interlock for 800/1000 MCCBs



Item No: T2PM80A3A

Required: No

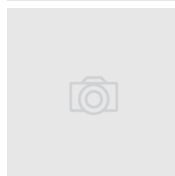
Description: Terasaki TemBreak PRO Plug In Base 3P for B800 MCCB



Item No: T2RP803LA

Required: No

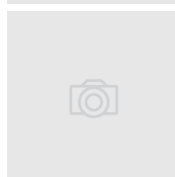
Description: Terasaki TemBreak PRO Rear Connect Studs for 3P B800P/B800R MCCB



Item No: T2RP803SA

Required: No

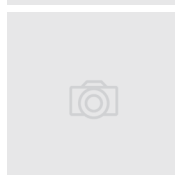
Description: Terasaki TemBreak PRO Rear Connect Studs for 3P B800 MCCB



Item No: T2SH00A10TA

Required: No

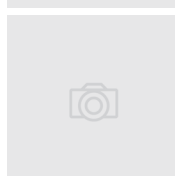
Description: Terasaki TemBreak PRO Shunt Trip for B Models 110V AC



Item No: T2SH00A20TA

Required: No

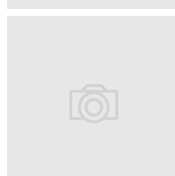
Description: Terasaki TemBreak PRO Shunt Trip for B Models 240V AC



Item No: T2SH00A40TA

Required: No

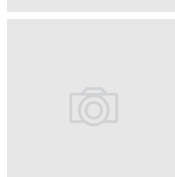
Description: Terasaki TemBreak PRO Shunt Trip for B Models 415V AC



Item No: T2SH00D01TA

Required: No

Description: Terasaki TemBreak PRO Shunt Trip for B Models 12V DC



Item No: T2SH00D02TA

Required: No

Description: Terasaki TemBreak PRO Shunt Trip for B Models 24V DC

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RELATED PRODUCTS

ACCESSORY



Item No: T2SH00D04TA

Required: No

Description: Terasaki TemBreak PRO Shunt Trip for B Models 48V DC



Item No: T2SH00D10TA

Required: No

Description: Terasaki TemBreak PRO Shunt Trip for B Models 110V DC



Item No: T2SH00D20TA

Required: No

Description: Terasaki TemBreak PRO Shunt Trip for B Models 230V DC



Item No: T2UV80A10NTA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for B800 to B1600 Models 110V AC



Item No: T2UV80A20NTA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for B800 to B1600 Models 240V AC



Item No: T2UV80A24DSA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip with 500ms Delay for B800 to B1600 Models 230-240V AC



Item No: T2UV80A40NTA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for B800 to B1600 Models 415V AC



Item No: T2UV80D02NTA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for B800 to B1600 Models 24V DC



Item No: T2UV80D10DSA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip with 500ms Delay for B800 to B1600 Models 110V DC



Item No: T2UV80D10NTA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for B800 to B1600 Models 110V DC



Item No: T2UV80D24DSA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip with 500ms Delay for B800 to B1600 Models 230V DC



Item No: T2UV80D24NTA

Required: No

Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for B800 to B1600 Models 230V DC



Item No: TPCLCB100

Required: No

Description: Terasaki TemBreak PRO Captive Lock Cover for B800 and B1000 MCCB



Item No: TPHS80F65BM

Required: No

Description: Terasaki TemBreak PRO HS Handle with 320mm Extension Shaft IP65 for B800/B1000 MCCB Grey