P250F4250TM

Terasaki TemBreak PRO MCCB 250 Frame 36kA 4P 250A Adj. Thermal Adj. Magnetic

MOULDED CASE CIRCUIT BREAKERS

NHP TERASAKI



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

The TemBreak PRO range is the ultimate solution for reliable circuit protection. Ampere frame sizes range from 160A to 3200A and breaking capacities from 25kA to 200kA. Protect your electrical systems today and connect to the information systems of tomorrow with trip unit technologies such as Thermal Magnetic, Basic and SMART Electronic, as well as ground fault and earth leakage protection.

ELECTRICAL

Rated current In	250 A
Number of poles	4
Max. rated operation voltage Ue AC	690 V
Rated ultimate short-circuit breaking capacity Icu at 415 V, 50 Hz	36 kA
Type of protection trip unit	Thermal/magnetic release
Trip curve	Adj. thermal, adj. magnetic
Frame size rating	250 A
Long time overload protection adjustment range	160-250 A
Position of connection for main current circuit	Front side
Instantaneous protection adjustment range	1500-2500 A
Rated frequency	50-60 Hz
Rated insulation voltage Ui	800 V
Suitable for isolation	Yes
Rated short circuit breaking capacity, Icu 690V AC	6 kA
Rated short circuit breaking capacity, Ics 690V AC	6 kA
Rated impulse withstand voltage Uimp	8 kV
Over voltage category	IV
Reverse connection of supply possible	Yes
AC power loss per pole at In	16.9 W
Electrical life at Un, In (service cycles)	10000 cycles
Type of electrical connection of main circuit	Screw connection
Power loss	50.7 W

MECHANICAL

Mechanical life (service cycles)	30000 cycles
Max. vibration acceleration	19 m/s²

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MECHANICAL	Max. vibration frequency, operational	16.7 Hz
	Max. vibration duration	12 min
DIMENSIONS	Connectable conductor cross section	35-185 mm²
	Height	165 mm
	Width	140 mm
	Pole connection pitch	35 mm
	Built-in depth	68 mm
	Depth (toggle included)	95.5 mm
	Weight	2 kg
ENVIRONMENT	Pollution degree	3
	Rated surrounding temperature without derating	50 °C
	Rated temperature	-5…70 °C
	Maximum operating temperature	70 °C
	Storage temperature	-10…70 °C
	Allowable relative humidity	0-85 %
	Max. altitude before derating	2000 m
CERTIFICATES/APPROVALS	Standard	AS/NZS IEC 60947.2

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DIMENSIONAL DIAGRAM

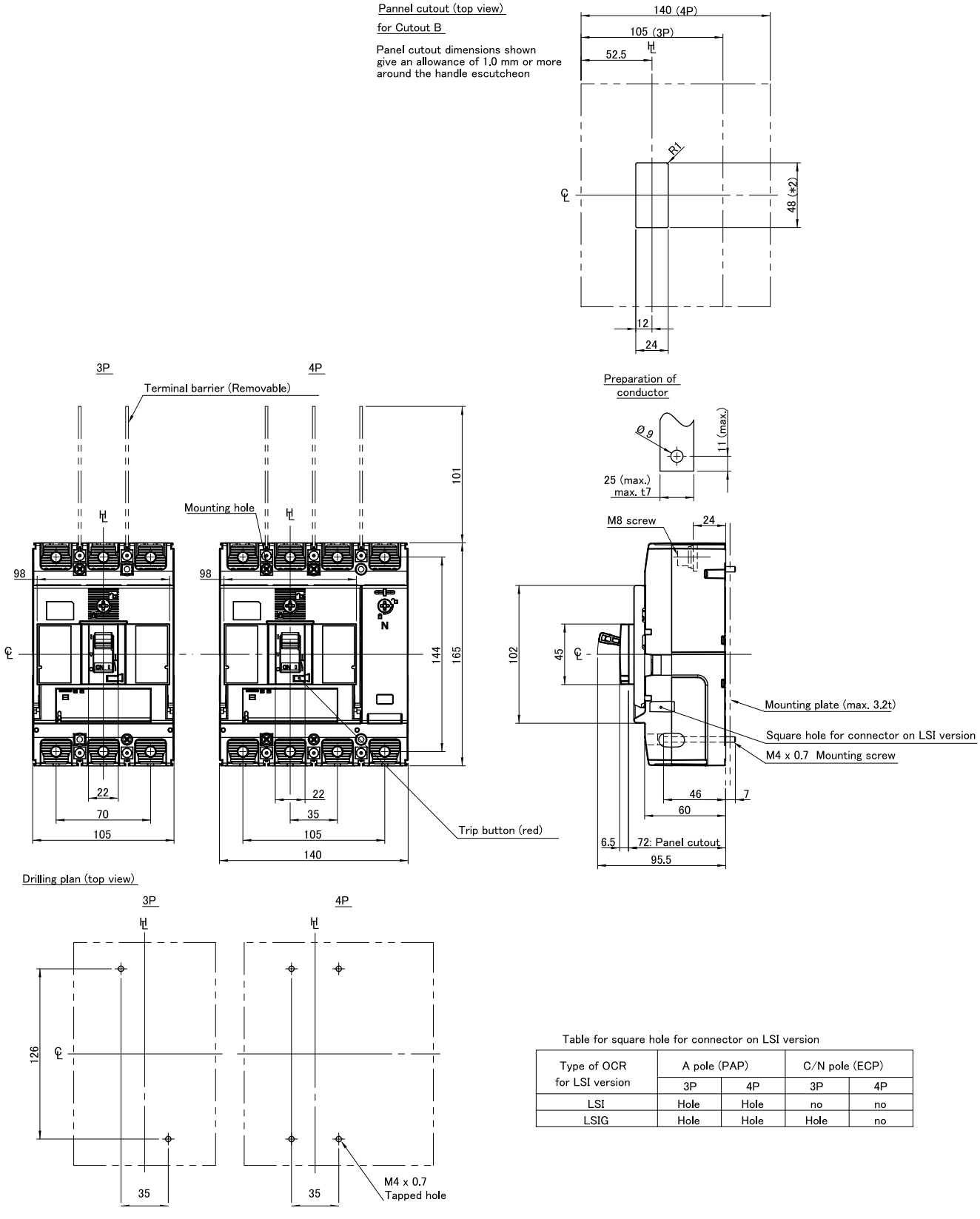


Table for square hole for connector on LSI version

Type of OCR for LSI version	A pole (PAP)		C/N pole (ECP)	
	3P	4P	3P	4P
LSI	Hole	Hole	no	no
LSIG	Hole	Hole	Hole	no

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RELATED PRODUCTS

ACCESSORY



Item No: T2AL00LML3STA
Required: No
Description: Terasaki TemBreak PRO Alarm Switch for A and P Models 1 CO Contact Left Side Mounting General Type



Item No: T2AL00LML3SWA
Required: No
Description: Terasaki TemBreak PRO Alarm Switch for A and P Models 1 CO Contact Left Side Mounting Wired Type



Item No: T2AX00LML3RWA
Required: No
Description: Terasaki TemBreak PRO Auxiliary Switch for A and P Models 1 CO Contact Micro Switch Wired Type



Item No: T2AX00LML3STA
Required: No
Description: Terasaki TemBreak PRO Auxiliary Switch for A and P Models 1 CO Contact General Type



Item No: T2AX00LML3SWA
Required: No
Description: Terasaki TemBreak PRO Auxiliary Switch for A and P Models 1 NO Contact 1 NC Contact Wired Type



Item No: T2BA25L3SH
Required: No
Description: Terasaki TemBreak PRO Interpole Barriers for A250/P250/ZS250 Qty 2



Item No: T2CF25L4SLEP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CF Long Style with Barrier for 4P A250 and P250 MCCB Qty 2



Item No: T2CF25L4SLHP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 4P A250 and P250 MCCB Qty 1



Item No: T2CF25L4SLNP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 4P A250 and P250 MCCB Qty 2



Item No: T2CF25L4SSHP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 4P A250 and P250 MCCB Qty 1



Item No: T2CF25L4SSNP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 4P A250 and P250 MCCB Qty 2



Item No: T2CF25L4SWHP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CF Wide Style for 4P A250 and P250 MCCB Qty 1

Item No: T2CF25L4SWNP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CF Wide Style for 4P A250 and P250 MCCB Qty 2



Item No: T2CF25LL
Required: No
Description: Terasaki TemBreak PRO Terminal Cover Clip for A250/P250



Item No: T2CR25L4SHP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for A250/P250 4P MCCB Qty 1

Item No: T2CR25L4SP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for A250/P250 4P MCCB Qty 2

RELATED PRODUCTS

ACCESSORY

Item No: T2CS25L4SP
Required: No
Description: Terasaki TemBreak PRO Terminal Cover CS Standard Style for A250/P250 4P MCCB Qty 2



Item No: T2DF25A
Required: No
Description: Terasaki TemBreak PRO Door Flange IP30 for B160/P250/B250 MCCB



Item No: T2DM25A
Required: No
Description: Terasaki TemBreak PRO Door Flange IP30 for B160/P250/B250 MCCB Motor Operator



Item No: T2FB25L4SH
Required: No
Description: Terasaki TemBreak PRO Straight Extension Bars 4P A/P/B/ZS250 MCCB Qty 4



Item No: T2FB25L4WH
Required: No
Description: Terasaki TemBreak PRO Flanged Extension Bars 3P A/P/B/ZS250 MCCB Qty 4

Item No: T2FW25LS4A
Required: No
Description: Terasaki TemBreak PRO Tunnel Terminal fits 35 to 120mm2 for A250/P250 Qty 8



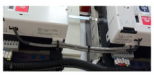
Item No: T2HL25L
Required: No
Description: Terasaki TemBreak PRO Non Captive Toggle Lock 5 x 16.5mm Slot for A160/A250/P160/P250



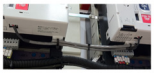
Item No: T2MM25L05A
Required: No
Description: Terasaki TemBreak PRO Motor Interlock Cable 0.5m for A/P/B/ZS MCCB Rated 12-250A



Item No: T2MM25L15A
Required: No
Description: Terasaki TemBreak PRO Motor Interlock Cable 1.5m for A/P/B/ZS MCCB Rated 12-250A



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: T2RP25L4SA
Required: No
Description: Terasaki TemBreak PRO Rear Connect Studs for 4P A250/P250 MCCB



Item No: T2SH00LA10T
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 110V AC



Item No: T2SH00LA10WA
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 110-120V AC Wired Type



Item No: T2SH00LA20T
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 230-240V AC

Item No: T2SH00LA40T
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 400-415V AC



Item No: T2SH00LA40WA
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 380-450V AC Wired Type



Item No: T2SH00LD02T
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 24V DC

RELATED PRODUCTS

ACCESSORY



Item No: T2SH00LD02WA
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 24V DC Wired Type



Item No: T2SH00LD04WA
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 48V DC Wired Type



Item No: T2SH00LD20WA
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 200-240V DC Wired Type



Item No: T2UV00LA10NWA
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 100-120V AC Wired Type



Item No: T2UV00LA20NT
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 230 to 240V AC



Item No: T2UV00LA20NWA
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 200-240V AC Wired Type



Item No: T2UV00LA40NWA
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 380-450V AC Wired Type



Item No: T2UV00LD02NT
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 24V DC



Item No: T2UV00LD02NWA
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 24V DC Wired Type



Item No: T2UV00LD10NWA
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 100-120V DC Wired Type



Item No: T2UV00LD20NWA
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 200-240V DC Wired Type



Item No: TBPHP25PALK
Required: No
Description: Terasaki TemBreak PRO Mechanical Padlock Attachment for P160/P250 MCCB and Handle



Item No: TPCLCP25
Required: No
Description: Terasaki TemBreak PRO Captive Lock Cover for P250 Thermal Magnetic and Basic Electronic MCCB

Item No: TPFB164SBC
Required: No
Description: Terasaki TemBreak PRO Straight Extension Bars 4P P160 MCCB Qty 8



Item No: TPHB255UR5BN
Required: No
Description: Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for P250 Black



Item No: TPHB255UR5RN
Required: No
Description: Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for P250 Red



Item No: TPHP25SR6BN
Required: No
Description: Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for P250 Grey



Item No: TPHP25SR6RN
Required: No
Description: Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for P250 Red

RELATED PRODUCTS

ACCESSORY



Item No: TPHS25R5GM

Required: No

Description: Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for P250 MCCB Grey

Item No: TPHS25R5RM

Required: No

Description: Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for P250 MCCB Red



Item No: TPMC25SA10N

Required: No

Description: Terasaki TemBreak PRO Motor 110V AC for P160/P250



Item No: TPMC25SA24N

Required: No

Description: Terasaki TemBreak PRO Motor 230-240V AC for P160/P250



Item No: TPMC25SD02N

Required: No

Description: Terasaki TemBreak PRO Motor 24V DC for P160/P250



Item No: TPMC25SD04N

Required: No

Description: Terasaki TemBreak PRO Motor 48V DC for P160/P250



Item No: TPMC25SD10N

Required: No

Description: Terasaki TemBreak PRO Motor 110V DC for P160/P250



Item No: TPMC25SD20N

Required: No

Description: Terasaki TemBreak PRO Motor 220V DC for P160/P250



Item No: TPML25SL4

Required: No

Description: Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 4P P250 MCCB



Item No: TPML25SR3

Required: No

Description: Terasaki TemBreak PRO Front Link Interlock Right Side Mount for P250 MCCB



Item No: TPMW00L

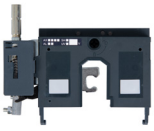
Required: No

Description: Terasaki TemBreak PRO Interlock Wire 1.5m for P Model MCCBs

Item No: TPMW00S

Required: No

Description: Terasaki TemBreak PRO Interlock Wire 1.0m for P Model MCCBs



Item No: TPMW25SCN

Required: No

Description: Terasaki TemBreak PRO Cable Interlock Kit without Wire for P250