

P250N3100TM

Terasaki TemBreak PRO MCCB 250 Frame 50kA 3P 100A Adj.
Thermal Adj. Magnetic



TERASAKI
Innovators in Protection Technology



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	100.0 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	Thermal/magnetic release
Trip curve	Adj. thermal, adj. magnetic
Frame size rating	250.0 A
Long time overload protection adjustment range	63 - 100 A
Position of connection for main current circuit	Front side
Instantaneous protection adjustment range	600 - 1300 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	6.0 kA
Rated short circuit breaking capacity, I_{cs} 690V AC	6.0 kA
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	6.0 W
Electrical life at U_n , I_n (service cycles)	10000.0 cycles
Type of electrical connection of main circuit	Screw connection
Power loss at rated current	18.0 W

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MECHANICAL

Connectable conductor cross section	35 - 185 mm ²
Mechanical life (service cycles)	30000.0 cycles
Vibration acceleration (Max)	19.0 m/s ²
Vibration frequency, operational (Max)	16.7 Hz
Vibration duration (Max)	12.0 min

DIMENSIONS

Height	165.0 mm
Width	105.0 mm
Pole connection pitch	35.0 mm
Built-in depth	68.0 mm
Depth (toggle included)	95.5 mm
Weight	1.5 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 %
Altitude before derating (Max)	2000.0 m

CERTIFICATES/APPROVALS

Standard	AS/NZS IEC 60947.2
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RELATED PRODUCTS

ACCESSORY



Item No: 2H6845CAA

Required: No

Description: Terasaki TemBreak 2 Plug In Kit
3P for E160/S160 to 250



Item No: 2H6959CAA1

Required: No

Description: Terasaki TemBreak PRO Plug
and Socket for Auxiliary/Alarm for Plug-in
MCCB 250-800A



Item No: 2H6959CBA1

Required: No

Description: Terasaki TemBreak PRO Plug
and Socket for Shunt/UVT for Plug-in MCCB
250-800A



Item No: 2H6959CCA

Required: No

Description: Terasaki TemBreak PRO Plug
and Socket for Shunt/UVT for Plug-in MCCB
P400/P630



Item No: 2H6959CDA

Required: No

Description: Terasaki TemBreak PRO Plug
and Socket for Auxiliary/Alarm for Plug-in
MCCB P400/P630



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

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ACCESSORY



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: T2CF161SLNG

Required: No

Description: Terasaki TemBreak 2 Terminal Cover Front Connect S160 1P MCCBs

Item No: T2CF25L3SLEP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style with Barrier for 3P A250 and P250 MCCB Qty 2

Item No: T2CF25L3SLHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 3P A250 and P250 MCCB Qty 1

Item No: T2CF25L3SLNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 3P A250 and P250 MCCB Qty 2

Item No: T2CF25L3SSHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 3P A250 and P250 MCCB Qty 1

Item No: T2CF25L3SSNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 3P A250 and P250 MCCB Qty 2



Item No: T2CF25L3SWHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Wide Style for 3P A250 and P250 MCCB Qty 1

Item No: T2CF25L3SWNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Wide Style for 3P A250 and P250 MCCB Qty 2

Item No: T2CF25LL

Required: No

Description: Terasaki TemBreak PRO Terminal Cover Clip for A250/P250

Item No: T2CR25L3SHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for A250/P250 3P MCCB Qty 1

Item No: T2CR25L3SP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for A250/P250 3P MCCB Qty 2

Item No: T2CS161SG

Required: No

Description: Terasaki TemBreak 2 Terminal Cover Flush for S160 1P MCCBs

Item No: T2CS25L3SP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CS Standard Style for A250/P250 3P MCCB Qty 2

Item No: T2DF25A

Required: No

Description: Terasaki TemBreak PRO Door Flange IP30 for B160/P250/B250 MCCB

Item No: T2FW25LS3A

Required: No

Description: Terasaki TemBreak PRO Tunnel Terminal fits 35 to 120mm² for A250/P250 Qty 6

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RELATED PRODUCTS

ACCESSORY



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: T2HS250SHAFT

Required: No

Description: Terasaki TemBreak 2 Handle Shaft 90mm for 125/250 MCCBs



Item No: T2HSESC100

Required: No

Description: Terasaki TemBreak 2 Handle Label Plate 100mm MCCBs



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: T2RP25L3SA

Required: No

Description: Terasaki TemBreak PRO Rear Connect Studs for 3P 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



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: T2TP003A

Required: No

Description: Terasaki TemBreak PRO Plug In Socket for Panel Mount

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RELATED PRODUCTS

ACCESSORY



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 A160/A250 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: TPFB163SBC

Required: No

Description: Terasaki TemBreak PRO Straight Extension Bars 3P P160 MCCB Qty 6



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

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



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RELATED PRODUCTS

ACCESSORY



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: TPML25SL3

Required: No

Description: Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 3P P250 MCCB



Item No: TPML25SL4

Required: No

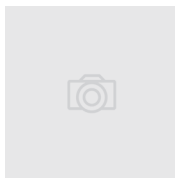
Description: Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 4P P250 MCCB



Item No: TPML25SR3

Required: No

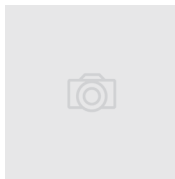
Description: Terasaki TemBreak PRO Front Link Interlock Right Side Mount for P250 MCCB



Item No: TPMW00L

Required: No

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



Item No: TPMW00S

Required: No

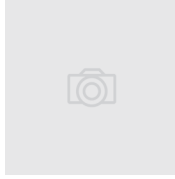
Description: Terasaki TemBreak PRO Interlock Wire 1.0m for P Model MCCBs



Item No: TPMW25SCN

Required: No

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



Item No: TPPM25A3A

Required: No

Description: Terasaki TemBreak PRO Plug In Base 3P for P250 MCCB



Item No: TPSS00NA

Required: No

Description: Terasaki TemBreak PRO Smart Auxilliary Alarm Contact Switch