

# P250H3250BE

Terasaki TemBreak PRO MCCB 250 Frame 70kA 3P 250A Basic Electronic



**TERASAKI**  
Innovators in Protection Technology



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

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

<b>Rated current <math>I_n</math></b>	250.0 A
<b>Number of poles</b>	3.0
<b>Max. rated operation voltage <math>U_e</math> AC</b>	690.0 V
<b>Rated ultimate short-circuit breaking capacity <math>I_{cu}</math> at 415 V, 50 Hz</b>	70.0 kA
<b>Rated service short-circuit breaking capacity <math>I_{cs}</math> at 415 V, 50 Hz</b>	50.0 kA
<b>Type of protection trip unit</b>	Electronic release
<b>Trip curve</b>	LSI
<b>Frame size rating</b>	250.0 A
<b>Long time overload protection adjustment range</b>	92 - 250 A
<b>Position of connection for main current circuit</b>	Front side
<b>Instantaneous protection adjustment range</b>	750 - 2750 A
<b>Rated frequency</b>	50 - 60 Hz
<b>Rated insulation voltage <math>U_i</math></b>	800.0 V
<b>Suitable for isolation</b>	Yes
<b>Rated short circuit breaking capacity, <math>I_{cu}</math> 690V AC</b>	6.0 kA
<b>Rated short circuit breaking capacity, <math>I_{cs}</math> 690V AC</b>	6.0 kA
<b>Short time protection adjustment range</b>	138 - 2500 A
<b>Rated impulse withstand voltage <math>U_{imp}</math></b>	8.0 kV
<b>Over voltage category</b>	IV
<b>Reverse connection of supply possible</b>	Yes
<b>AC power loss per pole at <math>I_n</math></b>	15.0 W
<b>Electrical life at <math>U_n, I_n</math> (service cycles)</b>	10000.0 cycles
<b>Type of electrical connection of main circuit</b>	Screw connection

## ELECTRICAL

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MCCBS

ELECTRICAL	
Power loss at rated current	45.0 W
Connectable conductor cross section	35 - 185 mm <sup>2</sup>
Mechanical life (service cycles)	20000.0 cycles
Vibration acceleration (Max)	19.0 m/s <sup>2</sup>
Vibration frequency, operational (Max)	16.7 Hz
Vibration duration (Max)	12.0 min
MECHANICAL	
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
DIMENSIONS	
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
ENVIRONMENT	
CERTIFICATES/APPROVALS	Standard AS/NZS IEC 60947.2

## RELATED PRODUCTS

### ACCESSORY



**Item No:** 2H6845CAA

**Required:** No

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



**Item No:** T2AX00LML3STA

**Required:** No

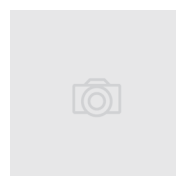
**Description:** Terasaki TemBreak PRO Auxiliary Switch for A and P Models 1 CO Contact General Type



**Item No:** T2AL00LML3STA

**Required:** No

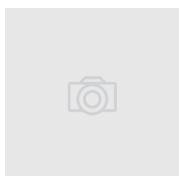
**Description:** Terasaki TemBreak PRO Alarm Switch for A and P Models 1 CO Contact Left Side Mounting General Type



**Item No:** T2AX00LML3SWA

**Required:** No

**Description:** Terasaki TemBreak PRO Auxiliary Switch for A and P Models 1 NO Contact 1 NC Contact Wired Type



**Item No:** T2AL00LML3SWA

**Required:** No

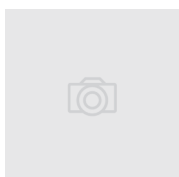
**Description:** Terasaki TemBreak PRO Alarm Switch for A and P Models 1 CO Contact Left Side Mounting Wired Type



**Item No:** T2BA25L3SH

**Required:** No

**Description:** Terasaki TemBreak PRO Interpole Barriers for A250/P250/ZS250 Qty 2



**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:** T2CF161SLNG

**Required:** No

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

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## RELATED PRODUCTS

### ACCESSORY

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**Item No:** T2CF25L3SLEP  
**Required:** No  
**Description:** Terasaki TemBreak PRO Terminal Cover CF Long Style with Barrier for 3P A250 and P250 MCCB Qty 2
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**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


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**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:** T2CS25L3SP  
**Required:** No  
**Description:** Terasaki TemBreak PRO Terminal Cover CS Standard Style for A250/P250 3P MCCB Qty 2
- 

**Item No:** T2FW25LS3A  
**Required:** No  
**Description:** Terasaki TemBreak PRO Tunnel Terminal fits 35 to 120mm2 for A250/P250 Qty 6
- 

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

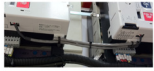
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## RELATED PRODUCTS

### ACCESSORY



**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:** 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

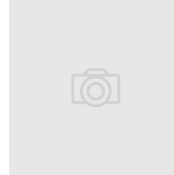
**Description:** Terasaki TemBreak PRO Shunt Trip for A/P Models 400-415V AC



**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



**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

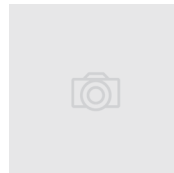
**Description:** Terasaki TemBreak PRO Shunt Trip for A/P Models 200-240V DC Wired Type



**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

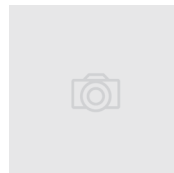
**Description:** Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 200-240V AC Wired Type



**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

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## RELATED PRODUCTS

### ACCESSORY



**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

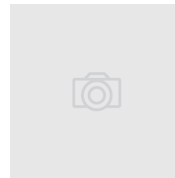
**Description:** Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for P250 Red



**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



**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

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Terasaki TemBreak PRO MCCB 250 Frame 70kA 3P 250A Basic Electronic



## RELATED PRODUCTS

### ACCESSORY



**Item No:** TPML25SL3

**Required:** No

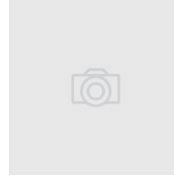
**Description:** Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 3P P250 MCCB



**Item No:** TPML25SR3

**Required:** No

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



**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:** XAB3

**Required:** No

**Description:** Terasaki TemBreak 1 Filler Pole suits X2 Models