

# A250E3100TM

Terasaki TemBreak PRO MCCB 250 Frame 25kA 3P 100A Adj.  
Thermal Adj. Magnetic



|                |                                 |
|----------------|---------------------------------|
| 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.

|                                                                         |                             |
|-------------------------------------------------------------------------|-----------------------------|
| Rated current $I_n$                                                     | 100.0 A                     |
| Number of poles                                                         | 3.0                         |
| Max. rated operation voltage $U_e$ AC                                   | 525.0 V                     |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ at 415 V, 50 Hz | 25.0 kA                     |
| Rated service short-circuit breaking capacity $I_{cs}$ at 415 V, 50 Hz  | 19.0 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                               | 500 - 1300 A                |
| Rated frequency                                                         | 50 - 60 Hz                  |
| Rated insulation voltage $U_i$                                          | 690.0 V                     |
| Suitable for isolation                                                  | Yes                         |
| 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 $I_n$                                         | 8.9 W                       |
| Electrical life at $U_n$ , $I_n$ (service cycles)                       | 6000.0 cycles               |
| Type of electrical connection of main circuit                           | Screw connection            |
| Power loss at rated current                                             | 26.6 W                      |
| Connectable conductor cross section                                     | 35 - 185 mm <sup>2</sup>    |
| DIN rail (top hat rail) mounting optional                               | Yes                         |
| Mechanical life (service cycles)                                        | 18000.0 cycles              |

## ELECTRICAL

## MECHANICAL

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**TERASAKI**  
Innovators in Protection Technology

|                        |                                                |                       |
|------------------------|------------------------------------------------|-----------------------|
| MECHANICAL             | Vibration acceleration (Max)                   | 19.0 m/s <sup>2</sup> |
|                        | 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 %              |
| CERTIFICATES/APPROVALS | Altitude before derating (Max)                 | 2000.0 m              |
|                        | Standard                                       | AS/NZS IEC 60947.2    |

## 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

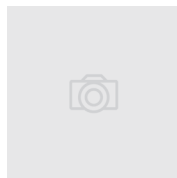
**Required:** No

**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:** 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



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### ACCESSORY



**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

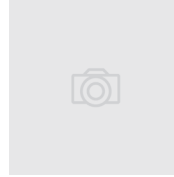
**Required:** No

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

**Item No:** 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 120mm<sup>2</sup> for A250/P250 Qty 6

**Item No:** T2HB25LUR5BNP

**Required:** No

**Description:** Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for A250 Black



**Item No:** T2HB25LUR5RNP

**Required:** No

**Description:** Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for A250 Red



**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:** T2HP25LR6BNP

**Required:** No

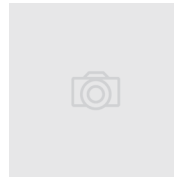
**Description:** Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for A250 Grey



**Item No:** T2HP25LR6RNP

**Required:** No

**Description:** Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for A250 Red



**Item No:** T2HS250SHAFT

**Required:** No

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



**Item No:** T2HSESC100

**Required:** No

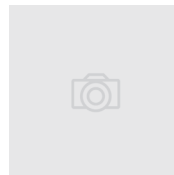
**Description:** Terasaki TemBreak 2 Handle Label Plate 100mm MCCBs



**Item No:** T2MC25LA10NP

**Required:** No

**Description:** Terasaki TemBreak PRO Motor 110V AC for A250



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## RELATED PRODUCTS

### ACCESSORY

|  |                                                                                                                                                      |  |                                                                                                                                                   |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Item No:</b> T2MC25LA24NP<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Motor 230-240V AC for A250                          |  | <b>Item No:</b> T2MW00SA<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Interlock Wire 1.0m for A/B/ZS Model MCCBs           |
|  | <b>Item No:</b> T2MC25LD02NP<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Motor 24V DC for A250                               |  | <b>Item No:</b> T2MW25LCP<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Cable Interlock Kit without Wire for A250           |
|  | <b>Item No:</b> T2MC25LD04NP<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Motor 48V DC for A250                               |  | <b>Item No:</b> T2RP25L3SA<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Rear Connect Studs for 3P A250/P250 MCCB           |
|  | <b>Item No:</b> T2MC25LD10NP<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Motor 110V DC for A250                              |  | <b>Item No:</b> T2SH00LA10T<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Shunt Trip for A/P Models 110V AC                 |
|  | <b>Item No:</b> T2MC25LD20NP<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Motor 220V DC for A250                              |  | <b>Item No:</b> T2SH00LA10WA<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Shunt Trip for A/P Models 110-120V AC Wired Type |
|  | <b>Item No:</b> T2ML25LL3P<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 3P A250 MCCB |  | <b>Item No:</b> T2SH00LA20T<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Shunt Trip for A/P Models 230-240V AC             |
|  | <b>Item No:</b> T2ML25LL4P<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 4P A250 MCCB |  | <b>Item No:</b> T2SH00LA40T<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Shunt Trip for A/P Models 400-415V AC             |
|  | <b>Item No:</b> T2ML25LRP<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Front Link Interlock Right Side Mount for A250 MCCB    |  | <b>Item No:</b> T2SH00LA40WA<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Shunt Trip for A/P Models 380-450V AC Wired Type |
|  | <b>Item No:</b> T2MW00LA<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Interlock Wire 1.5m for A/B/ZS Model MCCBs              |  | <b>Item No:</b> T2SH00LD02T<br><b>Required:</b> No<br><b>Description:</b> Terasaki TemBreak PRO Shunt Trip for A/P Models 24V DC                  |

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## 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:** T2SH00LD10WA

**Required:** No

**Description:** Terasaki TemBreak PRO Shunt Trip for A/P Models 110-120V 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

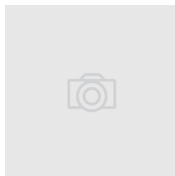
**Description:** Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 200-240V AC Wired Type



**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 A160/A250 MCCB and Handle



**Item No:** TPCLCA25

**Required:** No

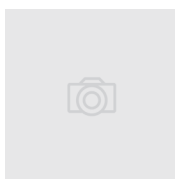
**Description:** Terasaki TemBreak PRO Captive Lock Cover for A250 MCCB



**Item No:** TPHS25LR5GM

**Required:** No

**Description:** Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for A250 MCCB Grey



**Item No:** TPHS25LR5RM

**Required:** No

**Description:** Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for A250 MCCB Red