

P250F350TM

Terasaki TemBreak PRO MCCB 250 Frame 36kA 3P 50A 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	50.0 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	36.0 kA
Rated service short-circuit breaking capacity I_{cs} at 415 V, 50 Hz	36.0 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	32 - 50 A
Position of connection for main current circuit	Front side
Instantaneous protection adjustment range	300 - 650 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	5.0 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	15.0 W

ELECTRICAL

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TERASAKI
Innovators in Protection Technology

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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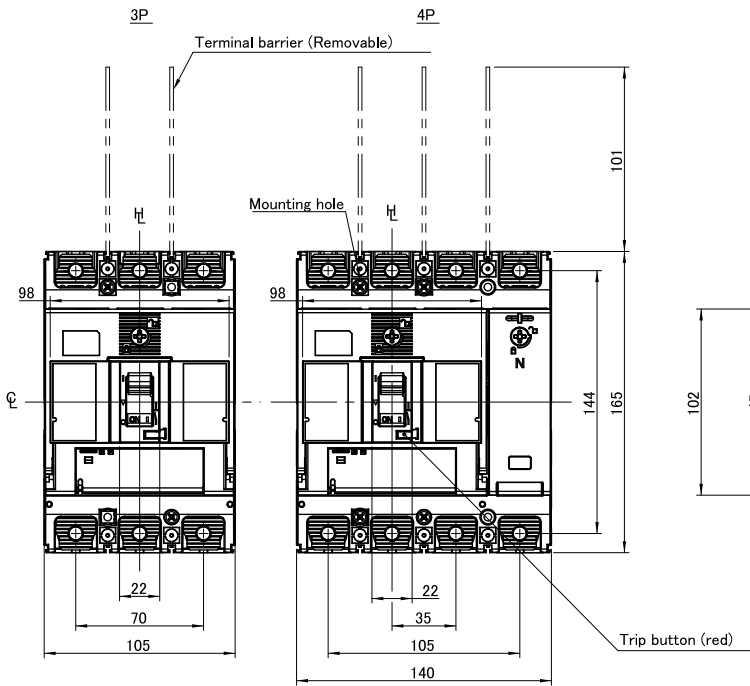
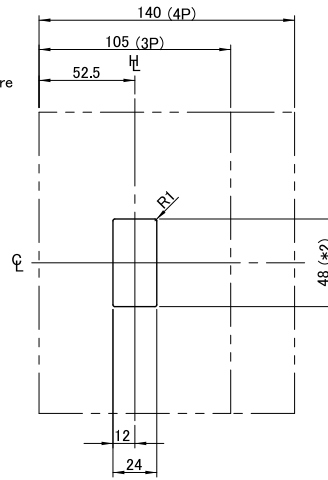
Terasaki TemBreak PRO MCCB 250 Frame 36kA 3P 50A Adj.
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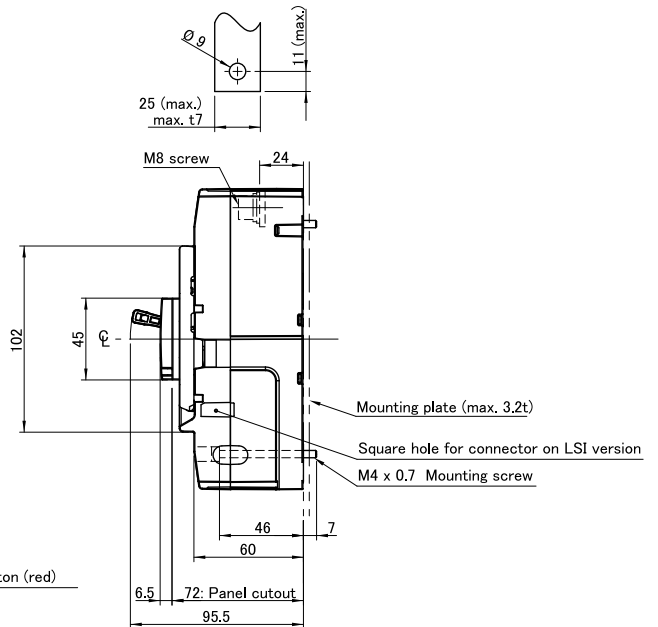
DIMENSIONAL DIAGRAM

Panel cutout (top view) for Cutout B

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



Preparation of conductor



Drilling plan (top view)

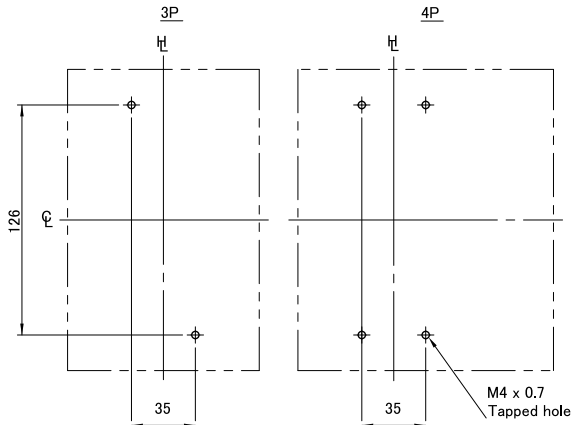


Table for square hole for connector on LSI version

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

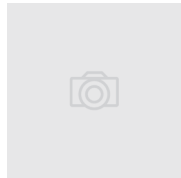
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RELATED PRODUCTS

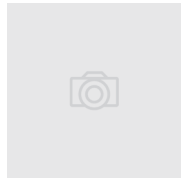
ACCESSORY



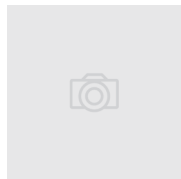
Item No: 2H6845CAA
Required: No
Description: Terasaki TemBreak 2 Plug In Kit 3P for E160/S160 to 250



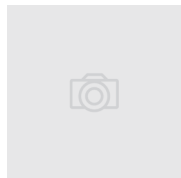
Item No: 2H6959CAA1
Required: No
Description: Terasaki TemBreak PRO Plug and Socket for Auxiliary/Alarm for Plug-in MCCB 250-800A



Item No: 2H6959CBA1
Required: No
Description: Terasaki TemBreak PRO Plug and Socket for Shunt/UVT for Plug-in MCCB 250-800A



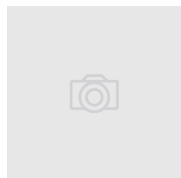
Item No: 2H6959CCA
Required: No
Description: Terasaki TemBreak PRO Plug and Socket for Shunt/UVT for Plug-in MCCB P400/P630



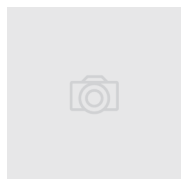
Item No: 2H6959CDA
Required: No
Description: Terasaki TemBreak PRO Plug and Socket for Auxiliary/Alarm for Plug-in MCCB P400/P630



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



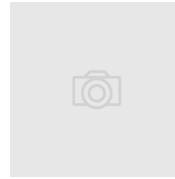
Item No: T2AL00LML3SWA
Required: No
Description: Terasaki TemBreak PRO Alarm Switch for A and P Models 1 CO Contact Left Side Mounting Wired Type



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



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

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RELATED PRODUCTS

ACCESSORY



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



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

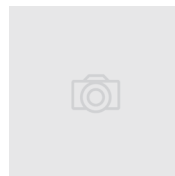
Description: Terasaki TemBreak PRO Motor Interlock Cable 2.1m for P160/P250 with 400 to 1000A MCCB



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

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RELATED PRODUCTS

ACCESSORY



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

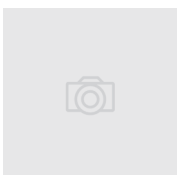
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 48V DC Wired Type



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

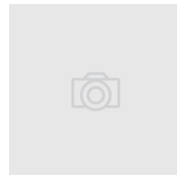
Description: Terasaki TemBreak PRO Plug In Socket for Panel Mount



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

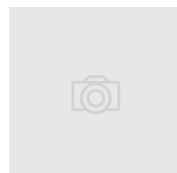
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 200-240V AC Wired Type



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

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RELATED PRODUCTS

ACCESSORY



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

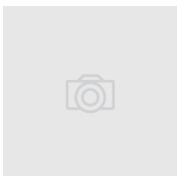
Description: Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for P250 Red



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



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

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RELATED PRODUCTS

ACCESSORY

	<p>Item No: TPMW00L Required: No Description: Terasaki TemBreak PRO Interlock Wire 1.5m for P Model MCCBs</p>		<p>Item No: TPPM25A3A Required: No Description: Terasaki TemBreak PRO Plug In Base 3P for P250 MCCB</p>
	<p>Item No: TPMW00S Required: No Description: Terasaki TemBreak PRO Interlock Wire 1.0m for P Model MCCBs</p>		<p>Item No: TPSS00NA Required: No Description: Terasaki TemBreak PRO Smart Auxilliary Alarm Contact Switch</p>
	<p>Item No: TPMW25SCN Required: No Description: Terasaki TemBreak PRO Cable Interlock Kit without Wire for P250</p>		