

P160F23160BE

Terasaki TemBreak PRO MCCB 160 Frame 36kA 3P 160A Basic Electronic



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 In	160.0 A
Number of poles	3.0
Max. rated operation voltage Ue AC	690.0 V
Rated ultimate short-circuit breaking capacity Icu at 415 V, 50 Hz	36.0 kA
Rated service short-circuit breaking capacity Ics at 415 V, 50 Hz	36.0 kA
Type of protection trip unit	Electronic release
Trip curve	LSI
Frame size rating	160.0 A
Long time overload protection adjustment range	58 - 160 A
Position of connection for main current circuit	Front side
Instantaneous protection adjustment range	480 - 1760 A
Rated frequency	50 - 60 Hz
Rated insulation voltage Ui	800.0 V
Suitable for isolation	Yes
Rated short circuit breaking capacity, Icu 690V AC	6.0 kA
Rated short circuit breaking capacity, Ics 690V AC	6.0 kA
Short time protection adjustment range	87 - 1600 A
Rated impulse withstand voltage Uimp	8.0 kV
Over voltage category	IV
Reverse connection of supply possible	Yes
AC power loss per pole at In	9.0 W
Electrical life at Un, In (service cycles)	30000.0 cycles
Type of electrical connection of main circuit	Screw connection

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ELECTRICAL	Power loss at rated current	27.0 W
	Connectable conductor cross section	1.5 - 70 mm ²
	DIN rail (top hat rail) mounting optional	Yes
MECHANICAL	Mechanical life (service cycles)	50000.0 cycles
	Vibration acceleration (Max)	19.0 m/s ²
	Vibration frequency, operational (Max)	16.7 Hz
	Vibration duration (Max)	12.0 min
DIMENSIONS	Height	130.0 mm
	Width	90.0 mm
	Pole connection pitch	30.0 mm
	Built-in depth	68.0 mm
	Depth (toggle included)	95.5 mm
	Weight	1.0 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

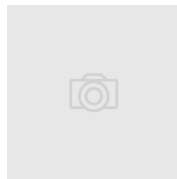
Required: No

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: T2BA16L3SH

Required: No

Description: Terasaki TemBreak PRO Interpole Barriers for A160/P160 Qty 2

Item No: T2CF253WC

Required: No

Description: Terasaki TemBreak 2 Terminal Screen Front Connect for E250/S250 3P MCCBs

Item No: T2HL25L

Required: No

Description: Terasaki TemBreak PRO Non Captive Toggle Lock 5 x 16.5mm Slot for A160/A250/P160/P250



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RELATED PRODUCTS

ACCESSORY



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: 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: 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

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RELATED PRODUCTS

ACCESSORY



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: TPCF163SLEPH

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style with Barrier for 3P P160 MCCB Qty 1

Item No: TPCF163SLNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 3P P160 MCCB Qty 2



Item No: TPCF163SLNPH

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 3P P160 MCCB Qty 1

Item No: TPCF163SSEPH

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Short Style with Barrier for 3P P160 MCCB Qty 1

Item No: TPCF163SSNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 3P P160 MCCB Qty 2



Item No: TPCF163SSNPH

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 3P P160 MCCB Qty 1



Item No: TPCF16SL

Required: No

Description: Terasaki TemBreak PRO Terminal Cover Clip for P160



Item No: TPCLCP16

Required: No

Description: Terasaki TemBreak PRO Captive Lock Cover for P160 Thermal Magnetic and Basic Electronic MCCB

Item No: TPCR163SP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for P160 3P MCCB Qty 2



Item No: TPCR163SPH

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for P160 3P MCCB Qty 1



Item No: TPCS163SPB

Required: No

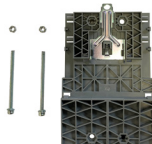
Description: Terasaki TemBreak PRO Terminal Cover CS Standard Style for P160 3P MCCB Qty 2



Item No: TPDA16SA

Required: No

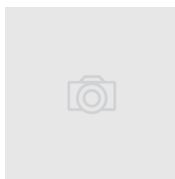
Description: Terasaki TemBreak PRO DIN Rail Adaptor for P160 MCCB



Item No: TPFW16S3L1H

Required: No

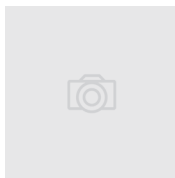
Description: Terasaki TemBreak PRO Tunnel Terminal fits 35 to 120mm² for P160 Qty 3



Item No: TPFW16S3L6H

Required: No

Description: Terasaki TemBreak PRO Tunnel Terminal fits 6 Cables 4 to 25mm² for P160 Qty 3



Item No: TPHB165UR5BN

Required: No

Description: Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for P160 Black



Item No: TPHP16SR6BN

Required: No

Description: Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for P160 Grey



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RELATED PRODUCTS

ACCESSORY



Item No: TPHP16SR6RN

Required: No

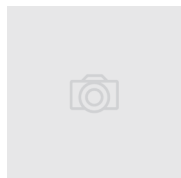
Description: Terasaki TemBreak PRO HP Handle with 421mm Extension Shaft IP65 for P160 Red



Item No: TPHS16R5GM

Required: No

Description: Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for P160 MCCB Grey



Item No: TPHS16R5RM

Required: No

Description: Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for P160 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: TPML16SL3

Required: No

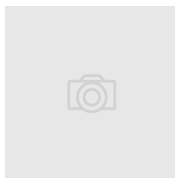
Description: Terasaki TemBreak PRO Front Link Interlock Left Side Mount for 3P P160 MCCB



Item No: TPML16SR3

Required: No

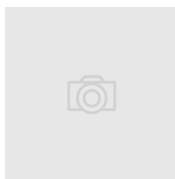
Description: Terasaki TemBreak PRO Front Link Interlock Right Side Mount for P160 MCCB



Item No: TPMW00L

Required: No

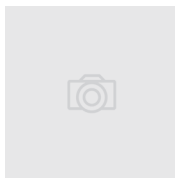
Description: Terasaki TemBreak PRO Interlock Wire 1.5m for P Model MCCBs



Item No: TPMW00S

Required: No

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



Item No: TPMW16SCN

Required: No

Description: Terasaki TemBreak PRO Cable Interlock Kit without Wire for P160



Item No: TPRP163SH

Required: No

Description: Terasaki TemBreak PRO Rear Connect Studs for 3P P160 MCCB Half Set