

P160F23160TM

Terasaki TemBreak PRO MCCB 160 Frame 36kA 3P 160A Adj. Therm. Adj. Mag.



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	160.0 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	160.0 A
Long time overload protection adjustment range	100 - 160 A
Position of connection for main current circuit	Front side
Instantaneous protection adjustment range	960 - 1600 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	14.1 W
Electrical life at U_n , I_n (service cycles)	30000.0 cycles
Type of electrical connection of main circuit	Screw connection
Power loss at rated current	42.3 W

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MCCBS

MECHANICAL

Connectable conductor cross section	1.5 - 70 mm ²
DIN rail (top hat rail) mounting optional	Yes
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 %
Altitude before derating (Max)	2000.0 m

CERTIFICATES/APPROVALS

Standard	AS/NZS IEC 60947.2
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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

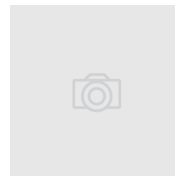
Required: No

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



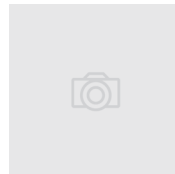
Item No: T2SH00LD10WA
Required: No
Description: Terasaki TemBreak PRO Shunt Trip for A/P Models 110-120V DC Wired Type



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



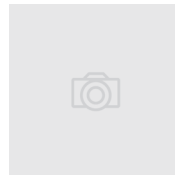
Item No: T2UV00LA20NT
Required: No
Description: Terasaki TemBreak PRO Undervoltage Trip Instantaneous for A/P Models 230 to 240V AC



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

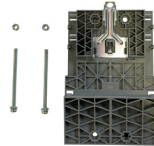
Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for P160 3P MCCB Qty 1



Item No: TPCS163SPB

Required: No

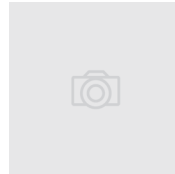
Description: Terasaki TemBreak PRO Terminal Cover CS Standard Style for P160 3P MCCB Qty 2



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: 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



Item No: TPHP16SR6RN

Required: No

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

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RELATED PRODUCTS

ACCESSORY



Item No: TPHS16R5GM

Required: No

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



Item No: TPMC25SD20N

Required: No

Description: Terasaki TemBreak PRO Motor 220V DC for P160/P250



Item No: TPHS16R5RM

Required: No

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



Item No: TPML16SL3

Required: No

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



Item No: TPMC25SA10N

Required: No

Description: Terasaki TemBreak PRO Motor 110V AC for P160/P250



Item No: TPML16SR3

Required: No

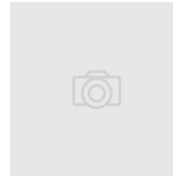
Description: Terasaki TemBreak PRO Front Link Interlock Right Side Mount for P160 MCCB



Item No: TPMC25SA24N

Required: No

Description: Terasaki TemBreak PRO Motor 230-240V AC for P160/P250



Item No: TPMW00L

Required: No

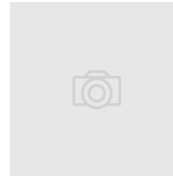
Description: Terasaki TemBreak PRO Interlock Wire 1.5m for P Model MCCBs



Item No: TPMC25SD02N

Required: No

Description: Terasaki TemBreak PRO Motor 24V DC for P160/P250



Item No: TPMW00S

Required: No

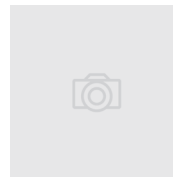
Description: Terasaki TemBreak PRO Interlock Wire 1.0m for P Model MCCBs



Item No: TPMC25SD04N

Required: No

Description: Terasaki TemBreak PRO Motor 48V DC for P160/P250



Item No: TPMW16SCN

Required: No

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



Item No: TPMC25SD10N

Required: No

Description: Terasaki TemBreak PRO Motor 110V DC for P160/P250



Item No: TPRP163SH

Required: No

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