

ZS125M3125TF

Terasaki TemBreak PRO ELCB 125 Frame 65kA 3P 125A 30mA
3A Adj. Thermal Fix. Magnetic



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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	125.0 A
Number of poles	3.0
Max. rated operation voltage Ue AC	525.0 V
Rated ultimate short-circuit breaking capacity Icu at 415 V, 50 Hz	65.0 kA
Rated service short-circuit breaking capacity Ics at 415 V, 50 Hz	36.0 kA
Type of protection trip unit	Earth leakage circuit breaker
Trip curve	Adj. thermal, fixed magnetic
Frame size rating	125.0 A
Long time overload protection adjustment range	80 - 125 A
Position of connection for main current circuit	Front side
Integrated earth fault protection	Yes
Rated frequency	50 - 60 Hz
Rated insulation voltage Ui	525.0 V
Suitable for isolation	Yes
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	12.6 W
Electrical life at Un, In (service cycles)	10000.0 cycles
Type of electrical connection of main circuit	Bolt connection
Power loss at rated current	37.8 W

MECHANICAL

Connectable conductor cross section	1.5 - 50 mm ²
DIN rail (top hat rail) mounting optional	Yes
Mechanical life (service cycles)	30000.0 cycles

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MECHANICAL	Vibration acceleration (Max)	19.0 m/s ²
	Vibration frequency, operational (Max)	16.7 Hz
	Vibration duration (Max)	12.0 min
DIMENSIONS	Height	155.0 mm
	Width	90.0 mm
	Pole connection pitch	30.0 mm
	Built-in depth	68.0 mm
	Depth (toggle included)	92.0 mm
	Weight	1.1 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

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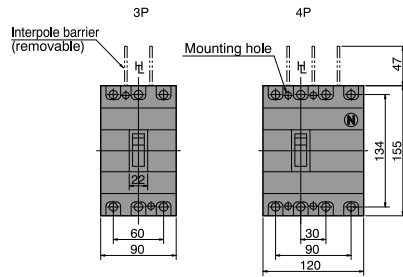
Terasaki TemBreak PRO ELCB 125 Frame 65kA 3P 125A 30mA
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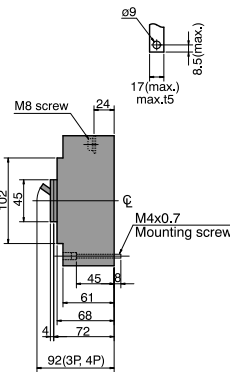
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DIMENSIONAL DIAGRAM

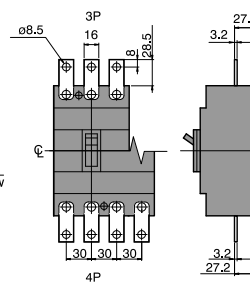
Front connected



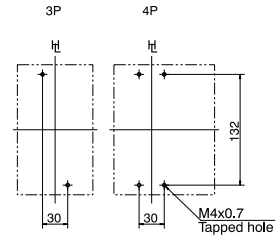
Preparation of conductor



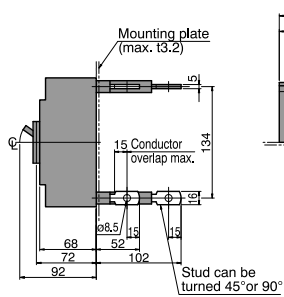
With extension bars (optional)



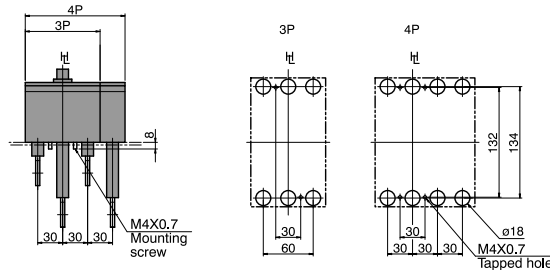
Drilling plan



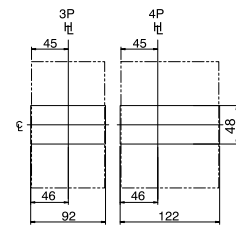
Rear Connected



Drilling plan

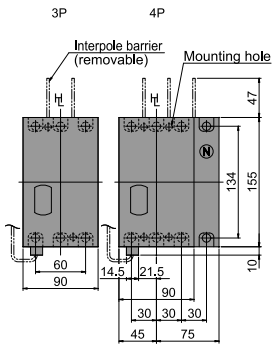


Panel cutout (Front view)



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

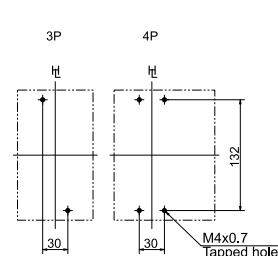
Front Connected With Motor Operator



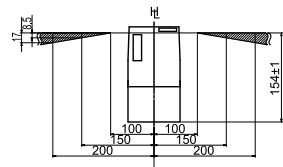
Preparation of conductor



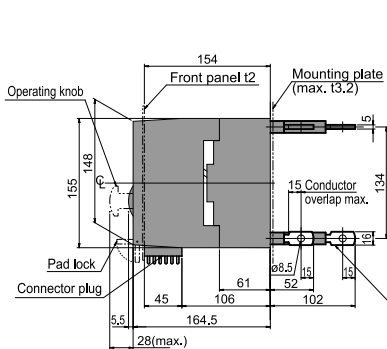
Drilling plan



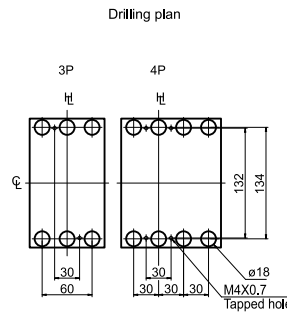
Panel hinge position (hatching area) bottom view



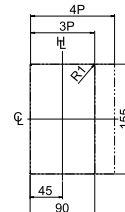
Rear Connected With Motor Operator



Drilling plan



Panel cutout (Front view)



Panel cutout dimensions shown give an allowance of 1.5mm around the handle escutcheon.

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RELATED PRODUCTS

ACCESSORY



Item No: T12CAPLAB

Required: No

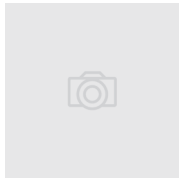
Description: Terasaki TemBreak 2 Label for 125AF



Item No: T2AL00B1STA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 NO Contact Heavy Duty Type



Item No: T2AL00B2STA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 NC Contact Heavy Duty Type



Item No: T2AL00M3RTA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 CO Contact Microcurrent Type



Item No: T2AL00M3STA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 CO Contact General Type



Item No: T2AL00M3SWA

Required: No

Description: Terasaki TemBreak PRO Alarm Switch for B Model 1 CO Contact Wired Type



Item No: T2AX00B1STA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 NO Contact Heavy Duty Type



Item No: T2AX00B2STA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 NC Contact Heavy Duty Type



Item No: T2AX00M3RTA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 CO Contact Microcurrent Type



Item No: T2AX00M3STA

Required: No

Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 CO Contact General Type



Item No: T2AX00M3SWA

Required: No

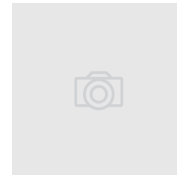
Description: Terasaki TemBreak PRO Auxiliary Switch for B Model 1 CO Contact Wired Type



Item No: T2BA123SH

Required: No

Description: Terasaki TemBreak PRO Interpole Barriers for ZS125 Qty 2



Item No: T2CF00L

Required: No

Description: Terasaki TemBreak PRO Terminal Cover Clip for ZS125/B160/ZS250/B250



Item No: T2CF123SLHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Long Style for 3P ZS125 MCCB Qty 1



Item No: T2CF123SSHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 3P ZS125 MCCB Qty 1



Item No: T2CF123SSNP

Required: No

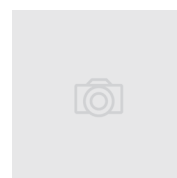
Description: Terasaki TemBreak PRO Terminal Cover CF Short Style for 3P ZS125 MCCB Qty 2



Item No: T2CF253WC

Required: No

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



Item No: T2CR123SHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for ZS125 3P MCCB Qty 1

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RELATED PRODUCTS

ACCESSORY



Item No: T2CR123SP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CR Flush Style for ZS125 3P MCCB Qty 2



Item No: T2CS123SHP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CS Standard Style for ZS125 3P MCCB Qty 1



Item No: T2CS123SNP

Required: No

Description: Terasaki TemBreak PRO Terminal Cover CS Standard Style for ZS125 3P MCCB Qty 2



Item No: T2DA12A

Required: No

Description: Terasaki TemBreak PRO DIN Rail Adaptor for ZS125 MCCB



Item No: T2FB121BA

Required: No

Description: Terasaki TemBreak PRO Straight Extension Bars 1P B160 MCCB Qty 2



Item No: T2FB123BA

Required: No

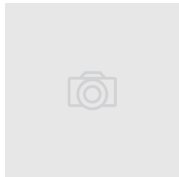
Description: Terasaki TemBreak PRO Straight Extension Bars 3P ZS125 MCCB Qty 6



Item No: T2FB16L3WB

Required: No

Description: Terasaki TemBreak PRO Flanged Extension Bars 3P A160 MCCB Qty 6



Item No: T2FW12S3A

Required: No

Description: Terasaki TemBreak PRO Tunnel Terminal fits 6 to 50mm² for ZS125 Qty 6



Item No: T2HB12UR5BNP

Required: No

Description: Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for ZS125 Black



Item No: T2HB12UR5RNP

Required: No

Description: Terasaki TemBreak PRO Handle Direct Mount with Door Interlock for ZS125 Red



Item No: T2HL12CAP

Required: No

Description: Terasaki TemBreak 2 Toggle Lock Captive for 125 MCCBs



Item No: T2HL25B

Required: No

Description: Terasaki TemBreak PRO Non Captive Toggle Lock 5 x 16.5mm Slot for ZS125/ZS250/B125/B160/B250



Item No: T2HP12R6BN

Required: No

Description: Terasaki TemBreak 2 Handle Extention IP65 for 125 MCCBs Black



Item No: T2HP12R6ME

Required: No

Description: Terasaki TemBreak 2 Handle IP65 Metal for 125 MCCBs



Item No: T2HP12R6RN

Required: No

Description: Terasaki TemBreak 2 Handle Extention IP65 for 125 MCCBs Red



Item No: T2HP25PALK

Required: No

Description: Terasaki TemBreak 2 Handle Mechanism Padlock Device for 125A/250A MCCBs



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

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RELATED PRODUCTS

ACCESSORY



Item No: T2M1166CBA

Required: No

Description: Terasaki TemBreak 2 ZS Trip Test Earth Leakage Module 3P plus Neutral



Item No: T2MC12A24NB

Required: No

Description: Terasaki TemBreak 2 Motor 240V AC for 125 MCCBs



Item No: T2MC12D02NB

Required: No

Description: Terasaki TemBreak 2 Motor 24V DC for 125 MCCBs



Item No: T2MC12D10NB

Required: No

Description: Terasaki TemBreak 2 Motor 110V DC for 125 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: T2RP123SA

Required: No

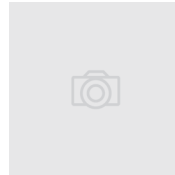
Description: Terasaki TemBreak PRO Rear Connect Studs for 3P ZS125 MCCB



Item No: TPHS12R5GM

Required: No

Description: Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for ZS125 MCCB Grey



Item No: TPHS12R5RM

Required: No

Description: Terasaki TemBreak PRO HS Handle with 356mm Extension Shaft IP55 for ZS125 MCCB Red