

Catalogue No: **P630-N-3-630-TM**

TBP MCCB 630 FRAME 50kA 3P 630A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 630 AF > 3 Pole



Representative Photo Only
(actual product may vary based on configuration selections)

- General purpose power distribution, motor starting as well as energy metering and communications
- Current limiting device, reduces fault let through energy for increased installation safety
- Direct opening and indication of main contact status – maximising machine and user safety
- Complies to AS / NZS 60947-2, IEC 60947-2 and CE
- Panel mount standard, with other mounting options
- 3 or 4 pole versions
- Fault ratings; 25, 36, 50, 70 or 110 kA
- Trip unit options include Thermal magnetic or electronic types

SPECIFICATIONS

Switching Poles	3P
Component Type MCCB	MCCB AC
Model	P
Frame Size	630 AF size
Rated Frequency	50 / 60 Hz
Connection Mode	Cable Tunnel Clamp (Option) Extension Bar (Option) Front Connection Plug-in PM (Option) Plug-in UPX (Option)
Suitable for Distribution Switchboard or MCC	Yes
Trip Unit Rating	630 A
Trip Unit Protection Type	Adjustable Thermal Adjustable Magnetic
Ue, Rated Operational Voltage, AC, max	690 V AC
Utilisation Voltage (min - max)	24 V AC to 690 V AC, 250 V DC
Uimp, Impulse Withstand Voltage	8 kV
Ui, Rated Insulation Voltage	800 V (rms)
In, Rated Current at 30°C	630 A @30°C
In, Rated Current at 35°C	615 A @35°C
In, Rated Current at 40°C	600 A @40°C
In, Rated Current at 45°C	577 A @45°C
In, Rated Current at 50°C	560 A @50°C
In, Rated Current at 55°C	540 A @55°C
In, Rated Current at 60°C	520 A @60°C
In, Rated Current at 65°C	500 A @65°C
In, Rated Current at 70°C	479 A @70°C
Ics, Rated Service Short-Circuit Breaking Capacity, 415V AC	50 kA @415VAC
Ics, Rated Service Short-Circuit Breaking Capacity, 690V AC	12 kA @690VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 220/240V AC	85 kA @220/240VAC

Catalogue No: **P630-N-3-630-TM**

TBP MCCB 630 FRAME 50kA 3P 630A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 630 AF > 3 Pole



Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC	50 kA @415VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 440V AC	45 kA @440VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 690V AC	12 kA @690VAC
AC Power loss per pole at full rated current	62.3 W
Number of Poles	3
Depth (toggle included)	151 mm
Height	260 mm
Width	140 mm
Weight	5 kg
Dielectric Strength	2500 V AC
Electrical Life	4000 cycles
Mechanical Life	15000 cycles
Thermal dial setting range Ir (x In)	0.63 - 1
Magnetic Dial setting Im (x In)	4 - 5 - 6 - 8 - 9 - 10
Cable Cross Section (Min)	35 mm ²
Cable Cross Section (Max)	400 mm ²
Terminal Type	Bolt-Terminal
Tightening Torque, Min	13.7 Nm
Tightening Torque, Max	22.5 Nm
Pollution Degree	3
DIN rail mounting with optional adapter	No
Suitable for Panel Mounting	Yes
Withdrawable	No
Standards Compliance	AS/NZS 60947-2 IEC 60947-2
Rated temperature of trip unit	30 °C
Storage Temperature, Min	-10 °C min
Storage Temperature, Max	70 °C max
Operating Temperature, Min	-5 °C min
Operating Temperature, Max	70 °C max
Relative Humidity, Max	85 %RH
Ir, Thermal Trip Current, Min	396 A
Ir, Thermal Trip Current, Max	630 A
Im, Magnetic Trip Current, Min	2520 A
Im, Magnetic Trip Current, Max	5040 A
General Accessories	Alarm Switch Auxiliary Switches Handle Operators Interpole Barriers Locking Devices Mechanical Interlock Motor Operator Shunt Trip Terminal Covers Under Voltage Trip
Vibration Acceleration (Max.)	19 m/s ²
Vibration Frequency, Operational (Max.)	16.7 Hz
Vibration Duration (Max.)	12 min
Certifications	CE DEKRA
Shipping Approvals	Contact NHP

Catalogue No: P630-N-3-630-TM

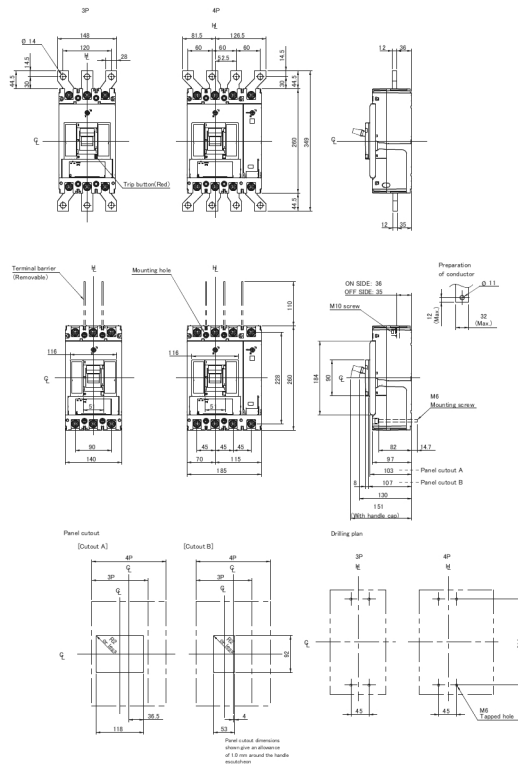
TBP MCCB 630 FRAME 50kA 3P 630A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 630 AF > 3 Pole



REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram