

# Catalogue No: P400-N-3-400-TM

## TBP MCCB 400 FRAME 50kA 3P 400A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 400 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
- Suits XCP chassis, with panelboard options
- Fault ratings; 25, 36, 50, 70, 110, 125 or 200 kA
- Trip unit options include Thermal magnetic or electronic types

### SPECIFICATIONS

Switching Poles	3P
Utilisation Category	A
Component Type MCCB	MCCB AC
Model	P
Frame Size	400 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) Rear Connection (Option)
Suitable for Distribution Switchboard or MCC	Yes
Trip Unit Rating	400 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 45°C	400 A @45°C
In, Rated Current at 50°C	400 A @50°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
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

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AC Power loss per pole at full rated current	42.4 W
Number of Poles	3
Depth (toggle included)	151 mm
Height	260 mm
Width	140 mm
Weight	4.3 kg
Dielectric Strength	2500 V AC
Mechanical Life	15000 cycles
Altitude, Operating (No Derating)	2000 m
Thermal dial setting range $I_r$ (x $I_n$ )	0.63 - 1
Magnetic Dial setting $I_m$ (x $I_n$ )	6 - 7 - 8 - 9 - 10 - 11 - 12
Cable Cross Section (Min)	35 mm <sup>2</sup>
Cable Cross Section (Max)	400 mm <sup>2</sup>
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
Suitable for Mounting on Chassis	XCP Chassis
Withdrawable	No
Standards Compliance	AS/NZS 60947-2 IEC 60947-2
Rated temperature of trip unit	50 °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
$I_r$ , Thermal Trip Current, Min	252 A
$I_r$ , Thermal Trip Current, Max	400 A
$I_m$ , Magnetic Trip Current, Min	2000 A
$I_m$ , Magnetic Trip Current, Max	4000 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 <sup>2</sup>
Vibration Frequency, Operational (Max.)	16.7 Hz
Vibration Duration (Max.)	12 min
Certifications	CE DEKRA
Shipping Approvals	Contact NHP

