

Catalogue No: P160-F2-3-50-TM

TBP MCCB 160 FRAME 36kA 30PP 3P 50A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 160 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
- 1, 2, 3 or 4 pole versions
- Suits XAP chassis, with panelboard options
- Fault ratings: 25, 36, 50, 70, 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	160 AF size
Rated Frequency	50 / 60 Hz
Suitable for Distribution Switchboard or MCC	Yes
Trip Unit Rating	50 A
Trip Unit Protection Type	Adjustable Thermal Adjustable Magnetic
In, Rated Current at 30°C	50 A @30°C
In, Rated Current at 35°C	50 A @35°C
In, Rated Current at 40°C	50 A @40°C
In, Rated Current at 45°C	50 A @45°C
In, Rated Current at 50°C	50 A @50°C
In, Rated Current at 55°C	46 A @55°C
In, Rated Current at 60°C	44 A @60°C
In, Rated Current at 65°C	42 A @65°C
In, Rated Current at 70°C	39 A @70°C
Icm, Rated Short-Circuit Making Capacity, 690V AC	6 kA
Ics, Rated Service Short-Circuit Breaking Capacity, 415V AC	36 kA @415VAC
Power Loss	22.5 W
AC Power loss per pole at full rated current	7.5 W
Number of Poles	3
Depth (toggle included)	95.5 mm
Width	90 mm
Weight	1 kg
Electrical Life	30000 cycles
Mechanical Life	50000 cycles

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Altitude, Operating (No Derating)	2000 m
Thermal dial setting range I_r (x In)	0.63 - 1
Magnetic Dial setting I_m (x In)	6 - 8 - 10 - 12
Cable Cross Section (Min)	1.5 mm ²
Cable Cross Section (Max)	70 mm ²
Terminal Type	Screw Terminal(s)
Pollution Degree	3
DIN rail mounting with optional adapter	Yes
Suitable for Panel Mounting	Yes
Storage Temperature, Min	-10 °C min
Storage Temperature, Max	70 °C max
Operating Temperature, Max	70 °C max
I_r , Thermal Trip Current, Min	32 A
I_r , Thermal Trip Current, Max	50 A
I_m , Magnetic Trip Current, Min	300 A
I_m , Magnetic Trip Current, Max	600 A
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

REFERENCES

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