

Catalogue No: **B800-N-3-800-BE**

TBP MCCB 800 FRAME 50kA 3P 800A BASIC ELECTRONIC

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 800 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: 36, 50, 70, 100, 125 or 200 kA
- Trip unit options include Thermal magnetic or electronic types

SPECIFICATIONS

Switching Poles	3P
Utilisation Category	B
Component Type MCCB	MCCB AC
Model	B
Frame Size	800 AF size
Rated Frequency	50 / 60 Hz
Connection Mode	Draw-out (Option) Extension Bar Front Connection Rear Connection (Option)
Suitable for Distribution Switchboard or MCC	Yes
Trip Unit Rating	800 A
Trip Unit Protection Type	Electronic LSI (BE Type)
Ue, Rated Operational Voltage, AC, max	690 V AC
Utilisation Voltage (min - max)	24 V AC to 690 V AC
Uimp, Impulse Withstand Voltage	8 kV
Ui, Rated Insulation Voltage	800 V (rms)
In, Rated Current at 30°C	800 A @30°C
In, Rated Current at 35°C	800 A @35°C
In, Rated Current at 40°C	800 A @40°C
In, Rated Current at 45°C	800 A @45°C
In, Rated Current at 50°C	800 A @50°C
In, Rated Current at 55°C	720 A @55°C
In, Rated Current at 60°C	640 A @60°C
In, Rated Current at 65°C	504 A @65°C
In, Rated Current at 70°C	400 A @70°C
Ics, Rated Service Short-Circuit Breaking Capacity, 415V AC	50 kA @415VAC
Ics, Rated Service Short-Circuit Breaking Capacity, 690V AC	20 kA @690VAC

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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	50 kA @440VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 525V AC	30 kA @525VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 690V AC	25 kA @690VAC
AC Power loss per pole at full rated current	102.33 W
Number of Poles	3
Depth (toggle included)	145 mm
Height	273 mm
Width	210 mm
Weight	9.1 kg
Dielectric Strength	2500 V AC
Electrical Life	4000 cycles
Mechanical Life	10000 cycles
Ii INST Adjustment (min / max x In)	14 - 12 x In
Short Time Delay protection (STD): Current adjustment steps	2.5 - 10 x Ir
Terminal Type	Extension Bar With Bolt holes
Tightening Torque, Min	40.2 Nm
Tightening Torque, Max	65.7 Nm
Pollution Degree	3
DIN rail mounting with optional adapter	No
Suitable for Panel Mounting	Yes
Suitable for Mounting on Chassis	HC Chassis, Except B800P / R
Withdrawable	Yes
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
Icw, Rated Short Circuit Withstand Current 400/690V	10 kA / 0.3 Sec kA / Sec
Ir, Thermal Trip Current, Min	320 A
Ir, Thermal Trip Current, Max	800 A
General Accessories	Alarm Switch Auxiliary Switches Handle Operators Interpole Barriers Locking Devices Mechanical Interlock Motor Operator Shunt Trip Terminal Covers Under Voltage Trip
Terminal Bar Connection	Cable or Busbar
Vibration Acceleration (Max.)	19 m/s ²
Vibration Frequency, Operational (Max.)	16.7 Hz
Vibration Duration (Max.)	12 min
Certifications	CE DEKRA RCM

Shipping Approvals

Contact NHP

REFERENCES

IECEX Certificate -

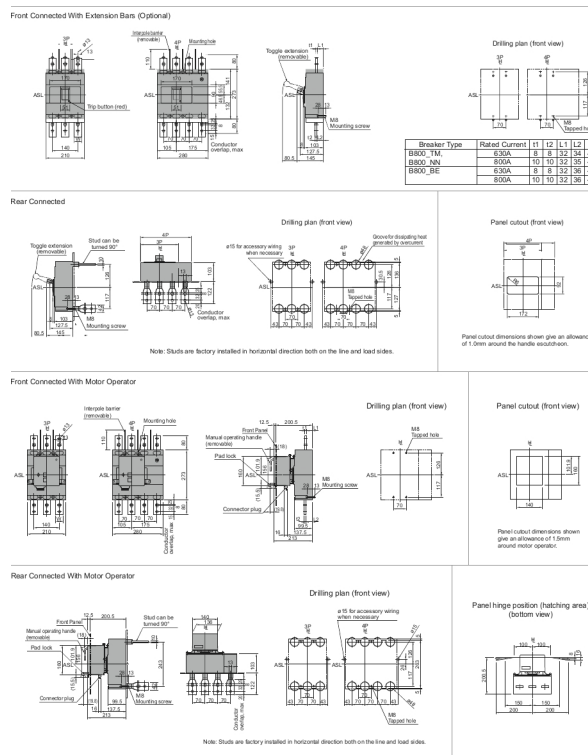
Supplier Declaration of Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue & Product Selection: -



Dimension Diagram