

Catalogue No: **A250-F-3-160-TM**

TBP MCCB 250 FRAME 36kA 3P 160A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 250 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 XBP 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	A
Frame Size	250 AF size
Rated Frequency	50 / 60 Hz
Suitable for Distribution Switchboard or MCC	Yes
Trip Unit Rating	160 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	690 V (rms)
In, Rated Current at 30°C	160 A @30°C
In, Rated Current at 35°C	160 A @35°C
In, Rated Current at 40°C	160 A @40°C
In, Rated Current at 45°C	160 A @45°C
In, Rated Current at 50°C	160 A @50°C
In, Rated Current at 55°C	151 A @55°C
In, Rated Current at 60°C	146 A @60°C
In, Rated Current at 65°C	141 A @65°C
In, Rated Current at 70°C	135 A @70°C
Icm, Rated Short-Circuit Making Capacity, 415V AC	84 kA
Ics, Rated Service Short-Circuit Breaking Capacity, 220V AC	43 kA
Ics, Rated Service Short-Circuit Breaking Capacity, 240V AC	43 kA
Ics, Rated Service Short-Circuit Breaking Capacity, 400V AC	20 kA
Ics, Rated Service Short-Circuit Breaking Capacity, 415V AC	20 kA @415VAC
Ics, Rated Service Short-Circuit Breaking Capacity, 525V AC	7.5 kA

Catalogue No: **A250-F-3-160-TM**

TBP MCCB 250 FRAME 36kA 3P 160A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 250 AF > 3 Pole



Ics, Rated Service Short-Circuit Breaking Capacity, 690V AC	2 kA @690VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC	85 kA @240VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 400V AC	36 kA @400VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC	36 kA @415VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 440V AC	30 kA @440VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 690V AC	4 kA @690VAC
Power Loss	34.1 W
AC Power loss per pole at full rated current	11.4 W
Number of Poles	3
Depth (toggle included)	95 mm
Height	165 mm
Width	105 mm
Pole Width	35 mm
Weight	1.5 kg
Dielectric Strength	2500 V AC
Electrical Life	6000 cycles
Mechanical Life	18000 cycles
Cable Cross Section (Min)	35 mm ²
Cable Cross Section (Max)	185 mm ²
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	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	100 A
I _r , Thermal Trip Current, Max	160 A
I _m , Magnetic Trip Current, Min	800 A
I _m , Magnetic Trip Current, Max	2080 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

Catalogue No: **A250-F-3-160-TM**

TBP MCCB 250 FRAME 36kA 3P 160A ADJ THERM ADJ MAG

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak PRO Moulded Case Circuit Breaker > TemBreak PRO 250 AF > 3 Pole



Shipping Approvals

Contact NHP

REFERENCES

IECEX Certificate -

Supplier Declaration of Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue & Product Selection: -