

Catalogue No: VS250GJ3160

T2 MCCB 1000V AC 10kA 3P 160A THERMAL MAGNETIC

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak Mining MCCB > TemBreak Mining 250 AF > Thermal Magnetic 250 AF 10kA




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

T2 MCCB 1000V AC 10kA 3P 160A THERMAL MAGNETIC

- 1000 VAC MCCB for power distribution and motor starting use in mines or tunnels
- Current limiting device, reduces fault let through energy for increased installation safety
- Direct opening and indication of main contact status – maximizing machine and user safety
- Complies to AS / NZS 60947-2, IEC 60947-2 and CE
- Panel mount standard, with other mounting options
- Full range of accessories for application flexibility
- 3 pole MCCB
- Compact 165 mm H, 68 mm D, 35 mm pole centres
- Fault interruption rating; 10 kA ICU @ 1000 VAC
- Utilisation voltage ratings 1000 or 1100 VAC
- Thermal magnetic trip unit: adjustable thermal / adjustable magnetic
- Trip units; 160 A, 250

SPECIFICATIONS

Utilization Category	A
Switching Poles	3P qty poles
Depth (less toggle)	68 mm
Depth (toggle included)	92 mm
Type of Power Supply	AC AC/DC
Component Type MCCB	AC MCCB
Rated Frequency	50 / 60 Hz
Connection Mode	Cable Tunnel Clamp (Option) mode Extension Bar (Option) Front Connection Rear Connection (Option)
Ue, Rated Operational Voltage, AC, max	1100 V AC
In, Rated Current at 35°C	160 A @30°C
In, Rated Current at 30°C	160 A @30°C
Trip Unit Rating	160 A
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	134 A @70°C
Ics, Rated Service Short-Circuit Breaking Capacity, 1000V AC	5 kA
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 1000V AC	10 kA @1kVAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 1100V AC	6 kA @1.1kVAC
Uimp, Impulse Withstand Voltage	8 kV
Frame Size	250 AF size

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Terminal Type	Screw Terminal(s)
Cable Cross Section (Max)	185 mm ² mm
Cable Cross Section (Min)	35 mm ² mm
Poles	3P
Number of Poles	3
Ui, Rated Insulation Voltage	1100 V (rms)
Height	165 mm
Width	105 mm
Weight	1.5 kg
Altitude, Operating (No Derating)	2000 m
AC Power loss per pole at full rated current	13.33 W
Temperature Calibration of trip unit	50 °C
Tightening Torque, Max	37.2 Nm
Tightening Torque, Min	22.5 Nm
Pollution Degree	3
Standards Compliance	IEC 60947-1 IEC 60947-2 JIS C 8201-2-1 Ann.1
DIN rail mounting with optional adapter	No
Suitable for Panel Mounting	Yes
Suitable for Mounting on Chassis	No
Withdrawable	No
Dielectric Strength	1000
Mechanical Life	7000 cycles
Storage Temperature, Max	70 °C max
Storage Temperature, Min	-10 °C min
Trip Unit Protection Type	Adjustable thermal, adjustable magnetic
I _r , Thermal Trip Current, Min	100 A
I _r , Thermal Trip Current, Max	160 A
I _m , Magnetic Trip Current, Min	960 A
I _m , Magnetic Trip Current, Max	2080 A
Operating Temperature, Min	-5 °C min
Operating Temperature, Max	70 °C max
Operating Temperature Relative Humidity	Max. permissible ambient temperature 60°C Max. permissible humidity 95% rel. No Condensation
Relative Humidity, Max	85 %RH
Vibration Acceleration (Max.)	19 g
Vibration Frequency, Operational (Max.)	16.7 Hz
Vibration Duration (Max.)	12 min
Certifications	CE
Shipping Approvals	ABS (American Bureau of Shipping) BV (Bureau Veritas) DNV-GL (Det Norske Veritas Germanischer Lloyd) Lloyd's Register of Shipping NK (Nippon Kaiji Kyokai)



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

