

# Catalogue No: VS125GJ3100

## T2 MCCB 1000V AC 10kA 3P 100A THERMAL MAGNETIC

Power Distribution and Protection > Circuit Breakers > Moulded Case Circuit Breakers > TemBreak Mining MCCB > TemBreak Mining 125 AF > Thermal Magnetic 125 AF 10kA



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

### T2 MCCB 1000V AC 10kA 3P 63A 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 – maximising 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 155 mm H, 68 mm D, 30 mm pole centres
- Fault interruption rating; 10 kA  $I_{cu}$  @ 1000 V AC
- Utilisation voltage ratings 1000 or 1100 V AC
- Thermal magnetic trip unit: adjustable thermal / adjustable magnetic
- Trip units; 50, 63, 100, 125 A

#### SPECIFICATIONS

Switching Poles	3P
Utilisation Category	A
Type of Power Supply	AC AC/DC
Component Type MCCB	MCCB AC
Model	VS
Poles	3P
Frame Size	125 AF size
Rated Frequency	50 / 60 Hz
Connection Mode	Cable Tunnel Clamp (Option) Extension Bar (Option) Front Connection Rear Connection (Option)
Suitable for Distribution Switchboard or MCC	Yes
Trip Unit Rating	100 A
Trip Unit Protection Type	Adjustable Thermal Adjustable Magnetic
Ue, Rated Operational Voltage, AC, max	1100 V AC
Uimp, Impulse Withstand Voltage	8 kV
Ui, Rated Insulation Voltage	1100 V (rms)
In, Rated Current at 30°C	100 A @30°C
In, Rated Current at 35°C	100 A @35°C
In, Rated Current at 40°C	100 A @40°C
In, Rated Current at 45°C	100 A @45°C
In, Rated Current at 50°C	100 A @50°C
In, Rated Current at 55°C	94 A @55°C
In, Rated Current at 60°C	90 A @60°C
In, Rated Current at 65°C	87 A @65°C
In, Rated Current at 70°C	84 A @70°C
Ics, Rated Service Short-Circuit Breaking Capacity, 1000V AC	5 kA

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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
AC Power loss per pole at full rated current	9 W
Number of Poles	3
Depth (toggle included)	92 mm
Height	155 mm
Width	90 mm
Weight	1.1 kg
Dielectric Strength	3500 V AC
Electrical Life	1000 cycles
Mechanical Life	7000 cycles
Altitude, Operating (No Derating)	2000 m
Cable Cross Section (Min)	1.5 mm <sup>2</sup>
Cable Cross Section (Max)	35 mm <sup>2</sup>
Terminal Type	Screw Terminal(s)
Tightening Torque, Min	4.9 Nm
Tightening Torque, Max	6.9 Nm
Pollution Degree	3
DIN rail mounting with optional adapter	No
Suitable for Panel Mounting	Yes
Suitable for Mounting on Chassis	No
Withdrawable	No
Standards Compliance	IEC 60947-1 IEC 60947-2 JIS C 8201-2-1 Ann.1
Rated temperature of trip unit	45 °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 <sub>r</sub> , Thermal Trip Current, Min	63 A
I <sub>r</sub> , Thermal Trip Current, Max	100 A
I <sub>m</sub> , Magnetic Trip Current, Min	600 A
I <sub>m</sub> , Magnetic Trip Current, Max	1200 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
Shipping Approvals	Contact NHP

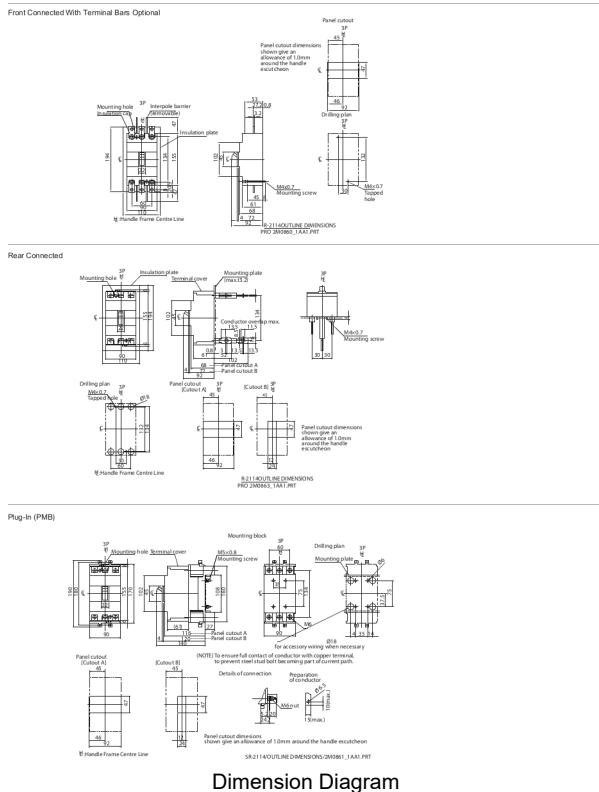
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REFERENCES	
IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram