VOZWEI

Products specifications/data sheet

VB2-63 series

General Information

Product or Component Type	Miniature Circuit Breaker
Product Rated Current Type	**1A, 2A, 3A, 4A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 35A, 40A, 50A, 63A**
Device Application	Distribution
Network Type	AC
Trip Unit Technology	Thermal-magnetic
Housing Width	**17.7 ± 0.2mm(1P), 35.4 ± 0.3mm(2P), 53.1 ± 0.3mm(3P), 70.8 ± 0.4mm(4P)**
Color	Grey
Control Type	Toggle

Technical

Standard	IEC 60898-1
[In] Rated Current	at 30 °C
Rated Operational Voltage (Ue)	230/400 VAC, 48/60 VDC
Tripping Characteristic	B Curve 3In…5In, C Curve 5In…10In, D Curve 10In…14In
Rated Frequency	50/60 Hz
Rated Insulation Voltage	690 V
Rated Impulse Withstand Voltage (Uimp)	6.0 kV
Rated Short-Circuit Capacity (Icn)	10.0kA (Type B/C, In=1-63A), 6.0KA (Type D, In=1-63A)
Running Short-Circuit Capacity (Ics)	10.0kA (Type B/C, In=1-40A), 7.5kA (Type B/C, In=50A,63A), 6.0kA (Type D, In=1-63A)

Whether It Has Isolation Function	Yes
Earth-Leakage Protection	Without
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Mechanical Endurance	15000 Cycle
Electrical Endurance	8000 Cycle
Number of Poles	1, 2, 3, 4
Number of Protected Poles	1, 2, 3, 4
Overvoltage Category	III
Use Category	A
Tightening Torque	2.5 N.m
Mounting on DIN Rail	35 mm DIN rail
Connecting Capacity	1.0 mm^2…25 mm^2
Terminal Type	Tunnel type, Bus-bar

Environmental

IP Protection Degree	IP20
Ambient Temperature	-40 ... +70 °C
Storage Temperature	-40 … +85 °C
Altitude	≤2000m, if more than 2000m, please refer to Miniature Circuit Breaker's reduced capacity table

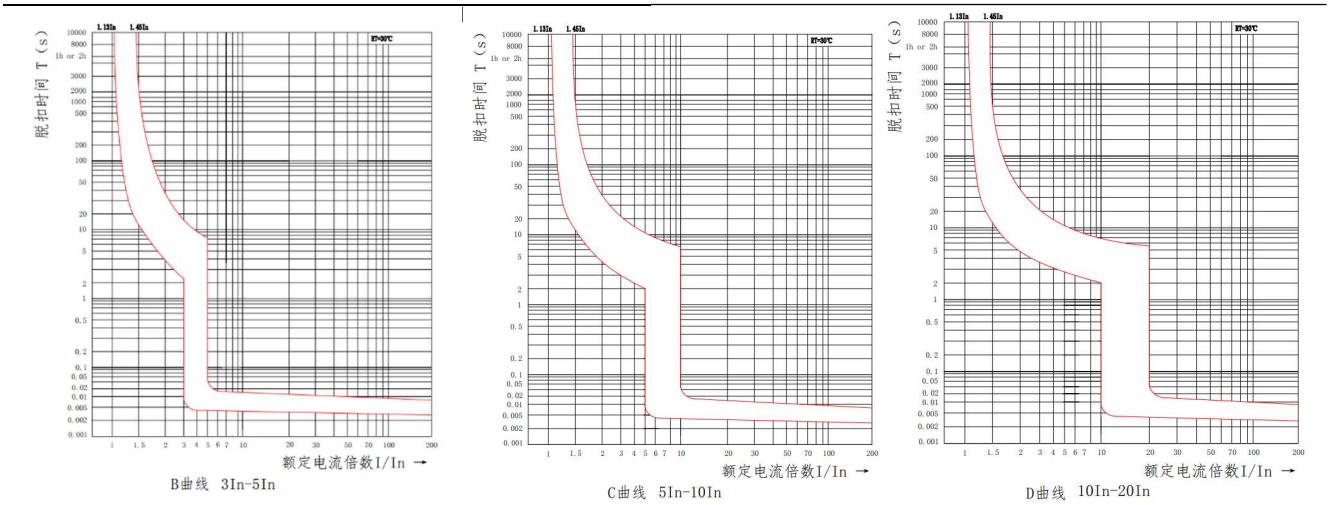
Temperature Derating

Ambient °C	-40 °C	-30 °C	-20 °C	-10 °C	0 °C	10 °C	20 °C	30 °C	40 °C	50 °C	60 °C	70 °C
Coefficient	133.97%	125.18%	119.90%	116.95%	113.05%	109.52%	105.62%	100%	95.24%	91.33%	88.38%	83.62%

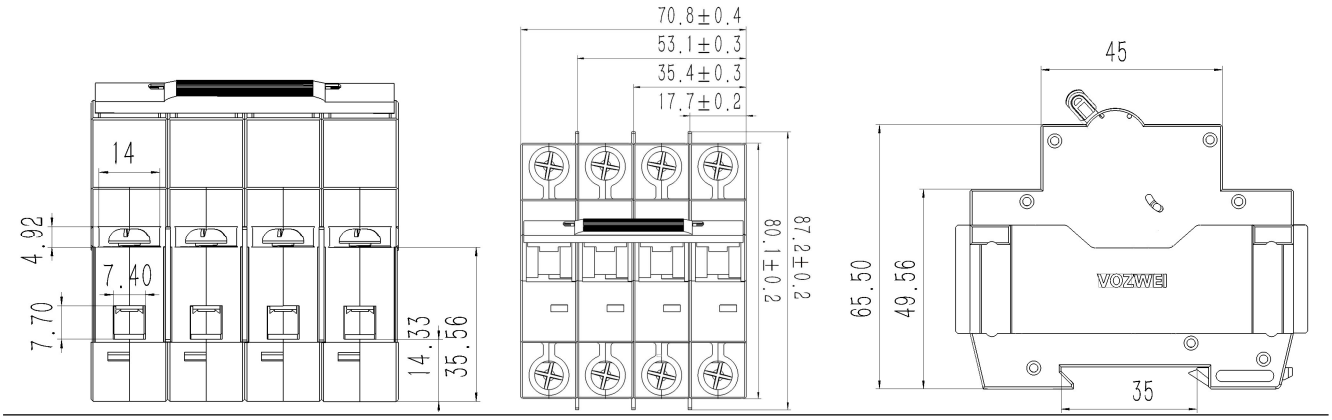
Lower Capacity Coefficient Table above 2000 Meters Altitude

Altitude	**Rated current**	**Rated voltage**	**Rated frequency voltage tolerance**	**Breaking Capacity**	**Breaking Capacity and Electrical life**
2 km	1.00In	Ue	1.00	1.00	1.00
3 km	0.96In	Ue	0.92	0.88	0.88
4 km	0.92 In	Ue	0.83	0.82	0.82
5 km	0.87 In	Ue	0.77	0.70	0.70

Characteristics Curve



Overall and Mounting Dimensioned



Tips

- The user should responsible for the quality problem caused by taking the products apart or adjust the tripping parameters without permission.
- Touch the uninsulated bare part is not allowed when breaker is energized state.
- Make sure reliable connection to prevent the abnormal heating of terminals, that can cause fault of breakers or terminal damage.