

Circuit-breaker, 3p, 100A, box terminal



Part no. **BZMB1-A100-BT**
109759

Product name	Eaton Moeller series BZM - Molded Case Circuit Breaker
Part no.	BZMB1-A100-BT
EAN	4015081093458
Product Length/Depth	130.2 millimetre
Product height	86 millimetre
Product width	75 millimetre
Product weight	0.83 kilogram
Compliances	RoHS conform
Product Tradename	BZM
Product Type	Molded Case Circuit Breaker
Product Sub Type	None
Number of poles	Three-pole
Amperage Rating	100 A
Features	Protection unit
Voltage rating	415 V - 415 V
Instantaneous current setting (Ii) - min	800 A
Instantaneous current setting (Ii) - max	1200 A
Overload current setting (Ir) - min	0 A
Overload current setting (Ir) - max	0 A
Short delay current setting (Isd) - min	0 A
Short delay current setting (Isd) - max	0 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz	25 kA
Electrical connection type of main circuit	Frame clamp
Handle type	Rocker lever
Mounting Method	DIN rail (top hat rail) mounting optional Built-in device fixed built-in technique
Degree of protection	IP20
Number of auxiliary contacts (change-over contacts)	0
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0
Position of connection for main current circuit	Front side
Rated operational current for specified heat dissipation (In)	100 A
Equipment heat dissipation, current-dependent	31.1 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.

10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.