DATASHEET - BZMB1-A50-BT

Circuit-breaker, 3p, 50A, box terminal

Part no. **BZMB1-A50-BT**
109750

Powering Business Worldwide™

Product name	Eaton Moeller series BZM - Molded Case Circuit Breaker
Part no.	BZMB1-A50-BT
EAN	4015081093366
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	50 A
Features	Protection unit
Voltage rating	415 V - 415 V
Instantaneous current setting (Ii) - min	480 A
Instantaneous current setting (Ii) - max	720 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	Built-in device fixed built-in technique DIN rail (top hat rail) mounting optional
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)	50 A
Equipment heat dissipation, current-dependent	13.3 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.