

Circuit-breaker, 3p, 80A

Part no. **BZMD1-A80**
109727

General specifications		
Product name		Eaton Moeller series BZM - Molded Case Circuit Breaker
Part no.		BZMD1-A80
EAN		4015081093137
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
Delivery program		
Number of poles		Three-pole
Amperage Rating		80 A
Features		Protection unit
Technical Data - Electrical		
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		15 kA
Electrical connection type of main circuit		Screw connection
Handle type		Rocker lever
Technical Data - Mechanical		
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
Design verification as per IEC/EN 61439 - technical data		
Rated operational current for specified heat dissipation (In)		80 A
Equipment heat dissipation, current-dependent		22.1 W
Design verification as per IEC/EN 61439		
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.