



Circuit-breaker, 2 p, 80A

Part no. **BZMB1-2-A80**  
 Catalog No. **112596**  
 Alternate Catalog No. **BZMB1-2-A80**

Similar to illustration

### Design verification as per IEC/EN 61439

Technical data for design verification				
Rated operational current for specified heat dissipation	$I_n$	A		80
Equipment heat dissipation, current-dependent	$P_{vid}$	W		22.1
IEC/EN 61439 design verification				
10.2 Strength of materials and parts				
10.2.2 Corrosion resistance				
10.2.2.1 Verification of thermal stability of enclosures				
10.2.2.2 Verification of resistance of insulating materials to normal heat				
10.2.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects				
10.2.4 Resistance to ultra-violet (UV) radiation				
10.2.5 Lifting				
10.2.6 Mechanical impact				
10.2.7 Inscriptions				
10.3 Degree of protection of ASSEMBLIES				
10.4 Clearances and creepage distances				
10.5 Protection against electric shock				
10.6 Incorporation of switching devices and components				
10.7 Internal electrical circuits and connections				
10.8 Connections for external conductors				
10.9 Insulation properties				
10.9.2 Power-frequency electric strength				
10.9.3 Impulse withstand voltage				
10.9.4 Testing of enclosures made of insulating material				
10.10 Temperature rise				
10.11 Short-circuit rating				
10.12 Electromagnetic compatibility				
10.13 Mechanical function				

### Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/generator/installation protection (EC000228)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system protection (ecl@ss10.0.1-27-37-04-09 [AJZ716013])				
Rated permanent current $I_u$		A		80
Rated voltage		V		415 - 415
Rated short-circuit breaking capacity $I_{cu}$ at 400 V, 50 Hz		kA		25
Overload release current setting		A		0 - 0
Adjustment range short-term delayed short-circuit release		A		0 - 0
Adjustment range undelayed short-circuit release		A		800 - 1200
Integrated earth fault protection				No
Type of electrical connection of main circuit				Screw connection

Device construction			Built-in device fixed built-in technique
Suitable for DIN rail (top hat rail) mounting			No
DIN rail (top hat rail) mounting optional			Yes
Number of auxiliary contacts as normally closed contact			0
Number of auxiliary contacts as normally open contact			0
Number of auxiliary contacts as change-over contact			0
With switched-off indicator			No
With under voltage release			No
Number of poles			2
Position of connection for main current circuit			Front side
Type of control element			Rocker lever
Complete device with protection unit			Yes
Motor drive integrated			No
Motor drive optional			No
Degree of protection (IP)			IP20