Adjustable Molded Case Circuit Breaker

This adjustable molded case circuit breaker is designed according to international standards. It is used in circuits with rated voltage below 690V and rated working current up to 400A for infrequent transformation and infrequent motor starting.

ADDITIONAL IMAGES

Overview

Industrial Circuit Protection

This adjustable-type Molded Case Circuit Breaker (MCCB) is engineered for robust performance in electrical distribution systems. Designed to meet international standards, it provides reliable overload and short-circuit protection for circuits with rated voltages up to 690V. The unit features a versatile thermo-adjustable setting and is suitable for both infrequent circuit transformation and motor starting applications.

Technical Specifications

Frame Size	250	Rated impluse withstand voltage Uimp (KV)	8
Model	SGM3S-250	Breaking capacity level	L M
Number of poles	3,4	Rated ultimate short-circuit breaking capacity Icu(kA)	36 50
Rated current(A) In	100,125,140,150,160,175,180,200,225,250	Rated service short-circuit breaking capacity Ics(kA)	27 36
Thermo-adjustable setting(Ir)In	0.8/0.9/1.0In	Mechanical Endurance Electrical Endurance	7000 1000
Standard	IEC60947-2		
Reference temperature	40℃/55℃	Fixed magnetic trip	•
Rated insulation voltage Ui (V)	800	Dimensions 3P	L : 106*165*109 M : 106*165*128
		mm(L*W* H) 4P	L:141*165*109 M:141*165*128

Detailed technical specifications and dimension reference table.

Rated Current (In)	100A, 125A, 140A, 150A, 160A, 175A, 180A, 200A, 225A, 250A
Rated Insulation Voltage (Ui)	800 V
Rated Impulse Withstand Voltage (Uimp)	8 kV
Thermo-adjustable Setting (Ir)	0.8 / 0.9 / 1.0 In

Performance Metrics

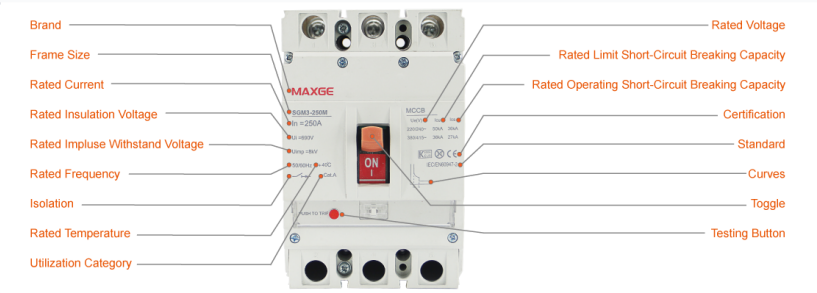


Diagram highlighting key components, including the toggle switch and testing button.

Short-Circuit Breaking Capacity

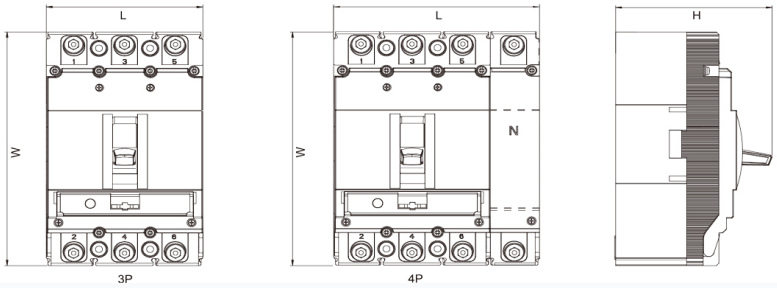
Level	Icu (kA)	Ics (kA)
L	36	27
M	50	36

Endurance Cycles

7000 cycles
Mechanical

1000 cycles
Electrical

Physical Characteristics



Overall and mounting dimensions for 3P and 4P configurations.

Available Poles

3 Pole • 4 Pole

Reference Operating Temperature	40°C / 55°C

Compliance

Standards Compliance	IEC 60947-2, EN 60947-2