AiSIKAI®
POWER THE FUTURE

TECHNICAL SPECIFICATIONS

Type Designation

Company	Product Code	Design code	Function Code	Function Code		Frame (Inm)		Poles		Rated Current
ASK	M	7	E	T	–	250	/	3P	/	250A
AISIKAI ELECTRIC	Molded case circuit breaker		E: Electronic type	T: Integrated type		250A		3P:3Poles		100/112/125/ 140/150/160/ 180/200/225/250A



- Open/close indication
- Trip button
- Manual operation position
- L1/ L2/ L3
  Green : Voltage normal
  Red : Voltage abnormal
- A/B/ C
  Green : Current normal
  Red : Current abnormal (overload)
- Current protection parameter settings
- Control terminals
  See terminal wiring diagram for details

Functions

Electronically Adjustable Protection

Based on MCU microprocessor technology, it provides precise and configurable three-stage protection. Settings can be made on-site via the front knob:

•Overload long-delay tripping current (Ir) •Short-delay tripping current (Isd) •Instantaneous tripping current (Ii)

Undervoltage Tripping Protection

•Undervoltage protection action value ≤ AC160V, recovery value ≥ AC175V; overvoltage protection action value ≥ AC275V, recovery value ≤ AC260V.

•Rated value of undervoltage release: 50Hz, AC230V / AC400V.

Electric Operation Function

•Supports external control signals for electric opening and closing.

Three-phase Voltage Status Indication

•L1, L2, L3 indicator lights monitor input voltage in real-time: green light when normal, red light when abnormal.

Three-phase Current Monitoring And Indication

•A, B, C indicator lights monitor load current in real-time: green when normal, red during overload or abnormal conditions.

External signal interface

•Provides external control terminals, supports receiving external control commands, and has status feedback signal output function.

Main Technical Specifications

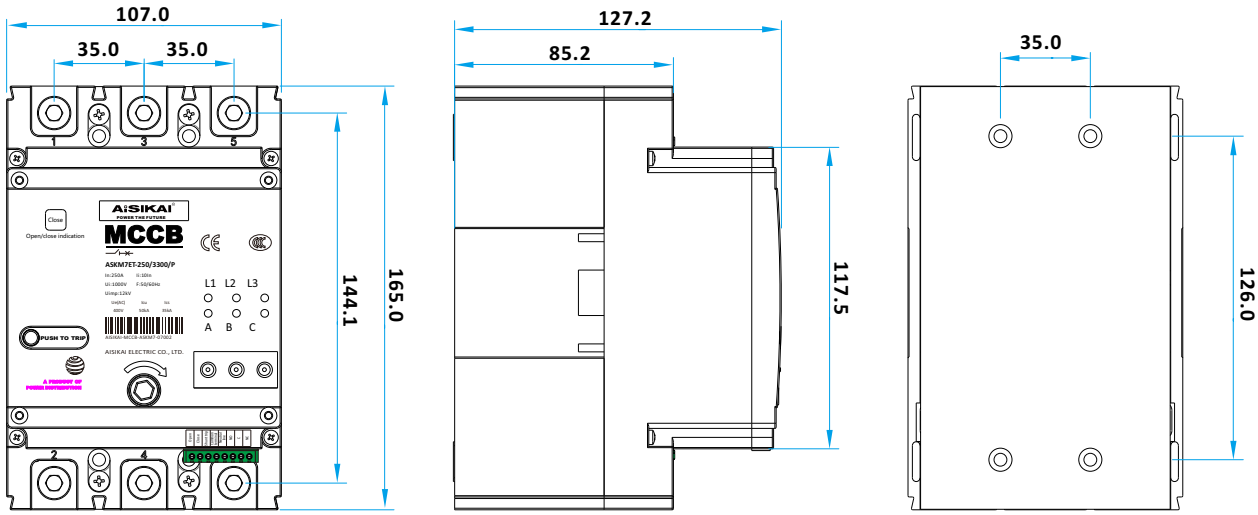
Model	ASKM7ET-250A	
Frame rating current **Inm (A)**	250A	
Rated current **In (A)**	160A	250A
Overload long-delay setting current **Ir1 (A)**	63A/80A/190A/100A/125A/140A/160A	160A/180A/200A/225A/250A
Rated impulse withstand voltage **Uimp (kv)**	12kV	
Rated operating voltage **Ue (V)**	AC400V/415V,AC660V/690V	
Rated insulation voltage **Ui (V)**	1000V	
Opening time	1.5s	
Closing time	1.2s	
Rated ultimate short-circuit breaking capacity **Icu (kA)**	50kA(AC400V/415V)	
	20kA(AC660V/690V)	
Rated operating short-circuit breaking capacity **Ics (kA)**	35kA(AC400V/415V)	
	15kA(AC660V/690V)	
Arc distance **(mm)**	≯50(0)[2)]	

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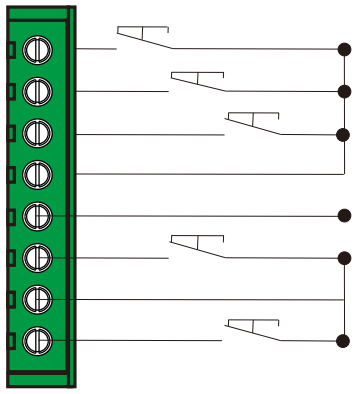
Installation Dimensions

ASKM7ET-250A Frame



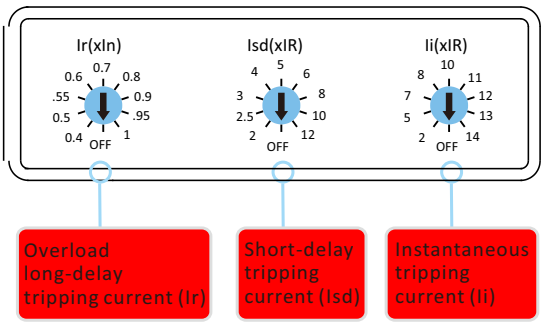
Terminal Wiring Diagram

Open
Close
Shunt trip
Common terminal
Neutral line
NO
C
NC



Terminal wiring diagram
SB2: Closing button
SB3: Shunt trip
SB4: Neutral line input
SB5: Open position feedback
SB6: Closed position feedback

Current Protection Parameter Knob



Normal Operating Conditions And Installation Method

Name	Requirements
Temperature	-5℃ to +40℃;
Altitude	≤2000m;
Atmospheric conditions	The relative humidity of the atmosphere should not exceed 50% at an ambient temperature of +40℃, and higher relative humidity is allowed at lower temperatures. The maximum average relative humidity in the wettest month is 90%, with an average minimum temperature of +25℃ for that month, while also considering condensation on the product surface due to temperature changes;
Installation category	The installation category of the main circuit of the circuit breaker is Ⅲ, and for auxiliary circuits and control circuits not connected to the main circuit, the installation category is Ⅱ;
Pollution degree	Level 3 ;
Installation conditions	The tropical-type circuit breaker can withstand the effects of humid air, salt spray, oil mist, and mold. The circuit breaker should be installed in a place without explosion hazards, non-conductive dust, no gases sufficient to corrode metal or damage insulation, and no exposure to rain or snow;
Installation method	Can be installed vertically or horizontally;
Wiring method	Wiring cannot be reversed; only connect power lines to 1,3,5 and load lines to 2,4,6.

JIANGSU AISIKAI ELECTRIC CO., LTD.

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Type Designation

Company	Product Code	Design code	Function Code	Function Code		Frame (Inm)		Poles		Rated Current
ASK	M	7	E	T	–	400	/	3P	/	250A
AISIKAI ELECTRIC	Molded case circuit breaker		E: Electronic type	T: Integrated type		400A		3P:3Poles		100/112/125/ 140/150/160/ 180/200/225/250A



Open/close indication

Trip button

Manual operation position

L1/ L2/ L3
Green : Voltage normal
Red : Voltage abnormal

A/B/ C
Green : Current normal
Red : Current abnormal (overload)

Current protection parameter settings

Control terminals
See terminal wiring diagram for details

Functions

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•A, B, C indicator lights monitor load current in real-time: green when normal, red during overload or abnormal conditions.

External signal interface

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Main Technical Specifications

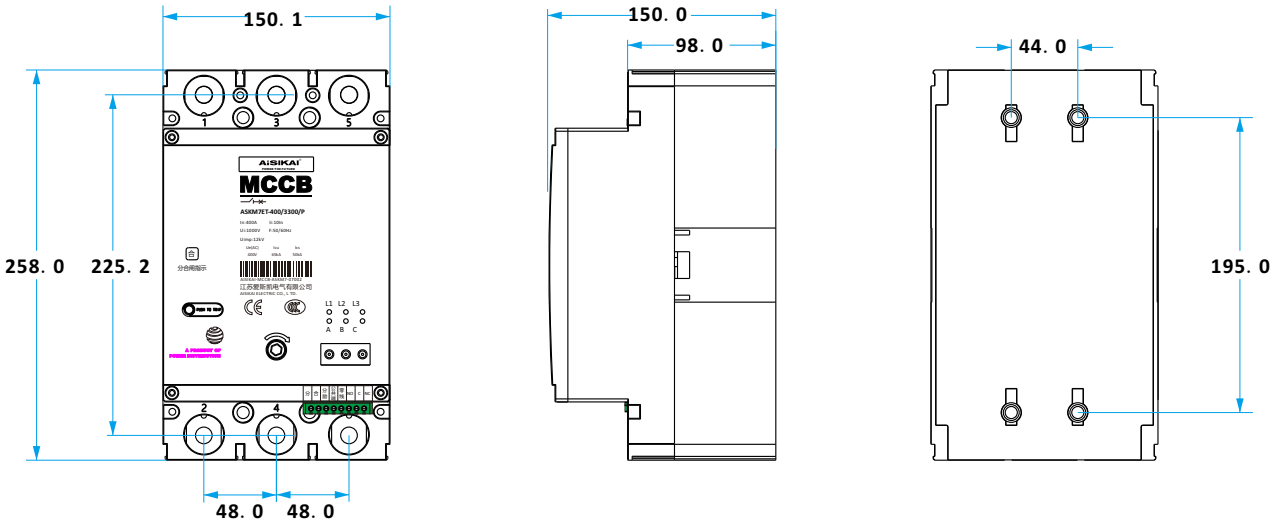
Model	ASKM7ET-400A
Frame rating current **Inm (A)**	400A
Rated current **In (A)**	400A
Overload long-delay setting current **Ir1 (A)**	200A/225A/250A/280A/315A/350A/400A
Rated impulse withstand voltage **Uimp (kv)**	12kV
Rated operating voltage **Ue (V)**	AC400V/415V,AC660V/690V
Rated insulation voltage **Ui (V)**	1000V
Opening time	1.5s
Closing time	1.2s
Rated ultimate short-circuit breaking capacity **Icu (kA)**	65kA(AC400V/415V)
	20kA(AC660V/690V)
Rated operating short-circuit breaking capacity **Ics (kA)**	50kA(AC400V/415V)
	15kA(AC660V/690V)
Arc distance **(mm)**	≯50(0)[2)]

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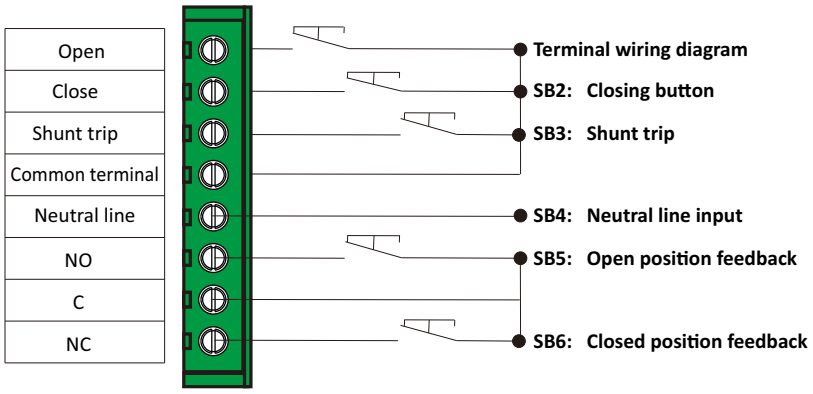
TECHNICAL SPECIFICATIONS

Installation Dimensions

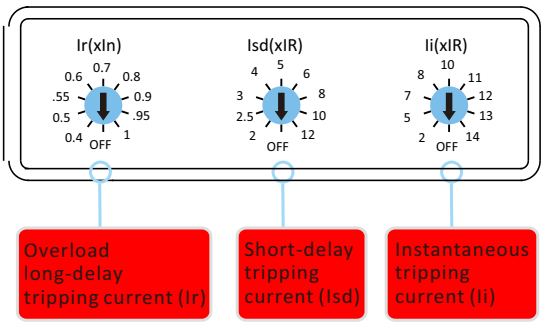
ASKM7ET-400A Frame



Terminal Wiring Diagram



Current Protection Parameter Knob



Normal Operating Conditions And Installation Method

Name	Requirements
Temperature	-5℃ to +40℃;
Altitude	≤2000m;
Atmospheric conditions	The relative humidity of the atmosphere should not exceed 50% at an ambient temperature of +40℃, and higher relative humidity is allowed at lower temperatures. The maximum average relative humidity in the wettest month is 90%, with an average minimum temperature of +25℃ for that month, while also considering condensation on the product surface due to temperature changes;
Installation category	The installation category of the main circuit of the circuit breaker is Ⅲ, and for auxiliary circuits and control circuits not connected to the main circuit, the installation category is Ⅱ;
Pollution degree	Level 3 ;
Installation conditions	The tropical-type circuit breaker can withstand the effects of humid air, salt spray, oil mist, and mold. The circuit breaker should be installed in a place without explosion hazards, non-conductive dust, no gases sufficient to corrode metal or damage insulation, and no exposure to rain or snow;
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Type Designation

Company	Product Code	Design code	Function Code	Function Code		Frame (Inm)		Poles		Rated Current
ASK	M	7	E	T	–	800	/	3P	/	250A
AISIKAI ELECTRIC	Molded case circuit breaker		E: Electronic type	T: Integrated type		800A		3P:3Poles		100/112/125/ 140/150/160/ 180/200/225/250A



Open/close indication

Trip button

Manual operation position

L1/ L2/ L3
Green : Voltage normal
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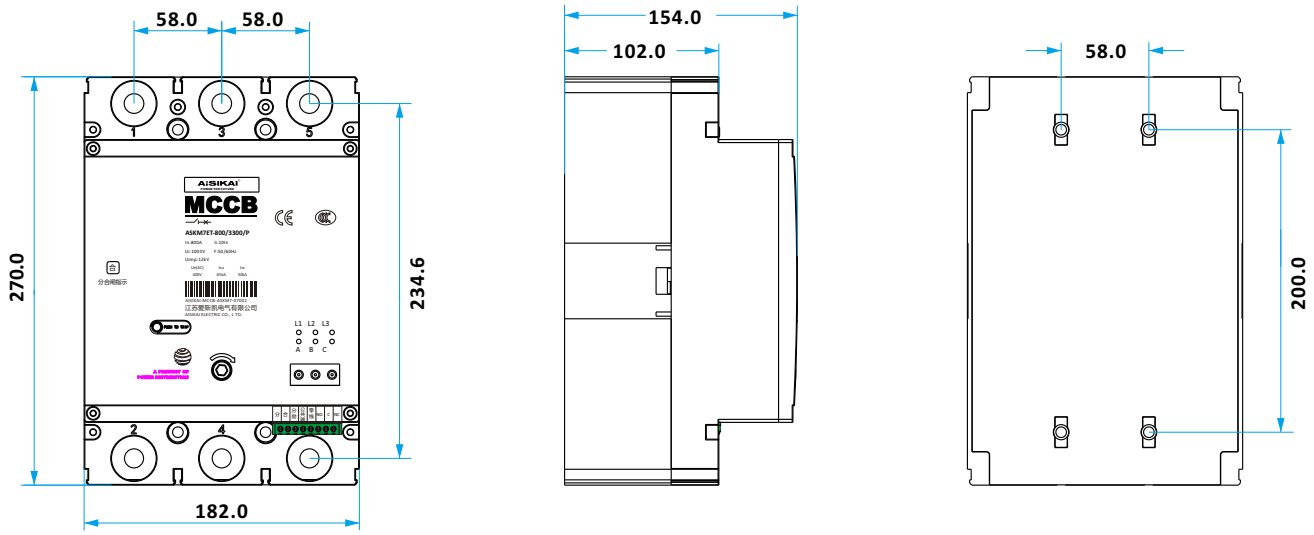
Model	ASKM7ET-800A
Frame rating current **Inm (A)**	800A
Rated current **In (A)**	800A
Overload long-delay setting current **Ir1 (A)**	630A/640A/660A/680A/700A/720A/740A/760A/780A/800A
Rated impulse withstand voltage **Uimp (kv)**	12kV
Rated operating voltage **Ue (V)**	AC400V/415V,AC660V/690V
Rated insulation voltage **Ui (V)**	1000V
Opening time	1.5s
Closing time	1.2s
Rated ultimate short-circuit breaking capacity **Icu (kA)**	65kA(AC400V/415V)
	20kA(AC660V/690V)
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Arc distance **(mm)**	≯100(0)[2)]

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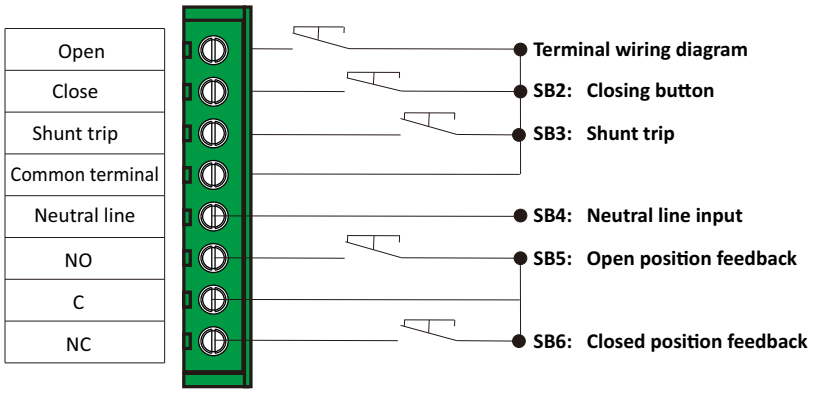
TECHNICAL SPECIFICATIONS

Installation Dimensions

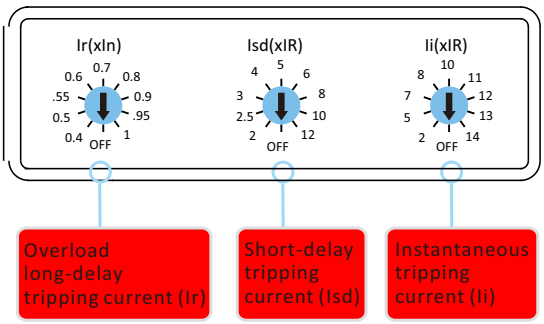
ASKM7ET-400A Frame



Terminal Wiring Diagram



Current Protection Parameter Knob



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