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AISIKAI-MCCB-ASKM3DC-PSG-23V1.1

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ASKM3DC

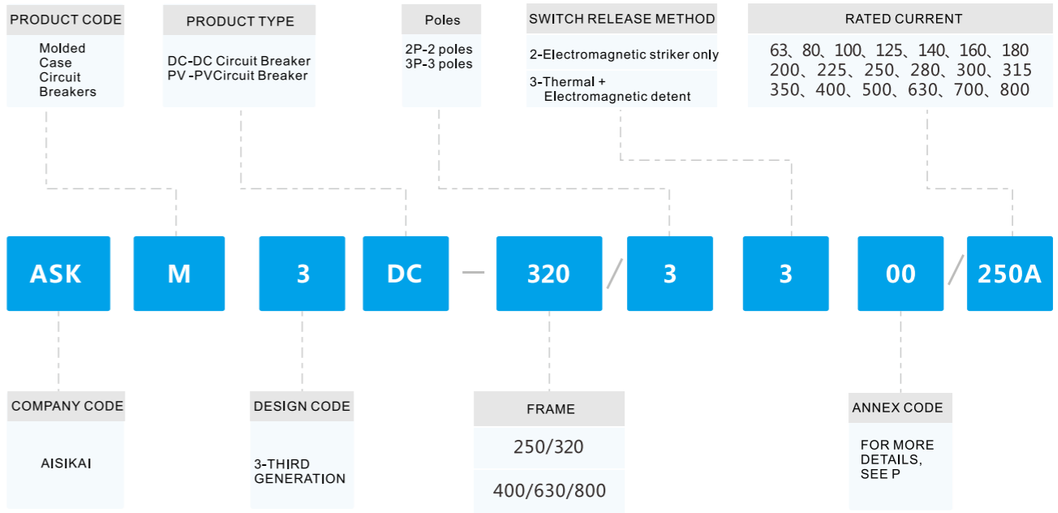
SERIES DC
MOLDED CASE CIRCUIT BREAKERS
SELECTION GUIDE

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MODEL INTERPRETATION



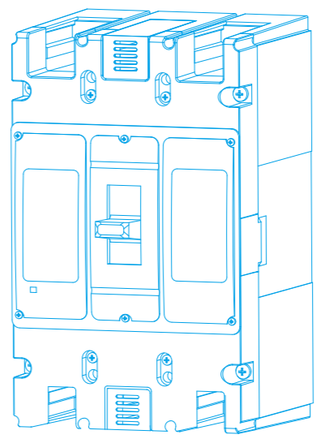
PRODUCT OVERVIEW

PRODUCT OVERVIEW

ASKM3DC series DC special circuit breakers (hereinafter referred to as circuit breakers) are used in DC power grid circuits with rated voltage DC250V~DC1500V and rated operating current 63A~800A.
Current grid circuit, the circuit breaker has a long delay overload, short-circuit instantaneous protection function, used to distribute power and protect the line and power supply equipment from overload, short-circuit and other fault hazards.

STANDARDS-COMPLIANT

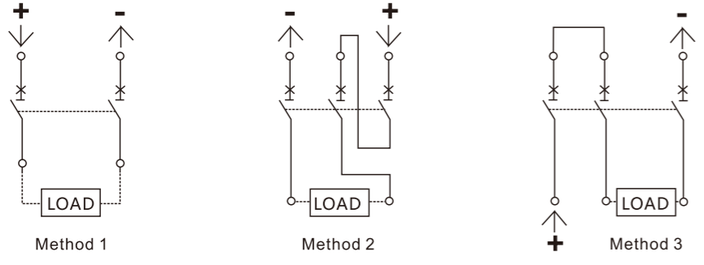
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TECHNICAL PARAMETERS

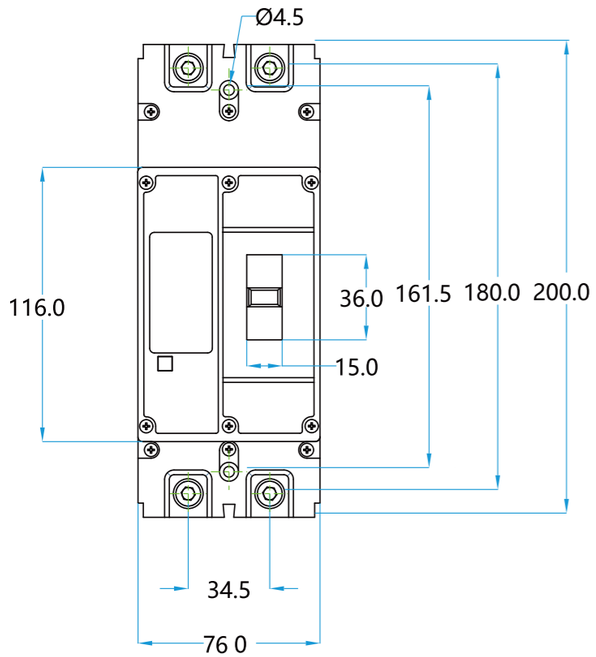
MODEL			ASKM3DC/ASKM3PV						ASKM3DC/ASKM3PV					
FRAME			250	320	400		400P		630		630P		800	
RATED CURRENT	In (A)		63A、80A、100A、125A、140A、160A、180A、200A、225A、250A	280A、300A、320A	250A、315A、350A、400A		250A、315A、350A、400A		400A、500A、630A		400A、500A、630A		630A、700A、800A	
RATED INSULATION VOLTAGE	Ui (V)		1500V						1500V					
RATED IMPULSE WITHSTAND VOLTAGE	Uimp (kV)		12kV						12kV					
TYPE			DC	PV	DC	PV	DC	PV	DC	PV	DC	PV	DC	PV
RATED WORKING VOLTAGE	Ue (V)	2P	DC250V、DC500V、DC750V、DC1000V、DC1500V		DC250V、DC500V、DC750V、DC1000V、DC1500V		DC250V、DC500V、DC750V、DC1000V、DC1500V		DC250V、DC500V、DC750V、DC1000V、DC1500V				DC250V、DC500V、DC750V、DC1000V、DC1500V	
		3P	DC1000V、DC1250V、DC1500V		DC1000V、DC1500V		DC1000V、DC1500V		DC1000V、DC1250V、DC1500V				DC1000V、DC1500V	
RATED ULTIMATE SHORT CIRCUIT BREAKING CAPACITY	Icu (kA)	2P	DC1000V：15 DC1500V：5	DC250V、DC500V：50 DC750V、DC1000V：25 DC1500V：7.5	DC250V、DC500V：25 DC750V、DC1000V：15 DC1500V：10	DC250V、DC500V：50 DC750V、DC1000V：25 DC1500V：10	DC1000V：30 DC1500V：25	DC1000V：30 DC1500V：25	DC1000V：35 DC1500V：25	DC250V、DC500V：50 DC750V、DC1000V：35 DC1500V：25	DC1000V：30 DC1500V：25	DC1000V：40 DC1500V：30	DC250V、DC500V：25 DC750V、DC1000V：15 DC1500V：10	DC250V、DC500V：50 DC750V、DC1000V：25 DC1500V：10
		3P	DC1500V：20	DC1000V、DC1250V、DC1500V：25	DC1000V：30 DC1500V：25	DC1000V：40 DC1500V：30	——	——	DC1000V：30 DC1500V：25	DC1000V：30 DC1500V：25	——	——	DC1000V：30 DC1500V：25	DC1000V：40 DC1500V：30
RATED OPERATING SHORT-CIRCUIT BREAKING CAPACITY	Ics (kA)		100%Icu						100%Icu					
Wiring Method			2P（Method 1）、3P（Method 2）		2P（Method 1）、3P（Method 3）		2P（Method 1）		2P（Method 1）、3P（Method 2）		2P（Method 1）		2P（Method 1）、3P（Method 3）	
Isolation function			YES						YES					
Category of use	Cat.		A						A					
mechanical life	times		20000		15000				20000				15000	
Electrical life	times		1500		1000		800	500	1500				800	500
Electrical arc distance	mm		≥50		≥ 100				≥100				≥ 100	
dimensions	mm	2P	200 × 73 × 135		270 × 130× 156		275 × 106× 149		270 × 130 ×156		275 × 106× 149		270 × 130 ×156	
		3P	200 ×107 × 135		310 × 182× 156				270 × 182 ×156				270 × 182 ×156	
base ambient temperature	℃		40		40				40				40	

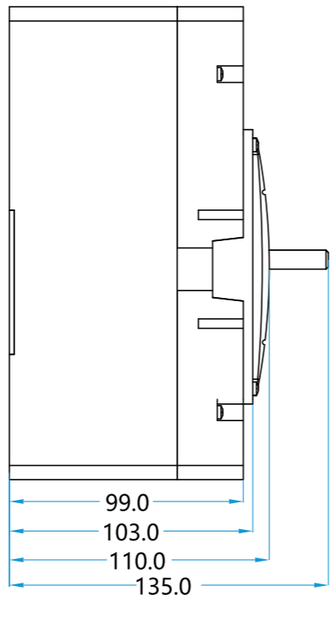
WIRING METHOD

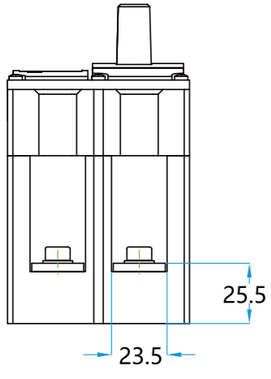


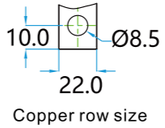
OVERALL DIMENSIONS

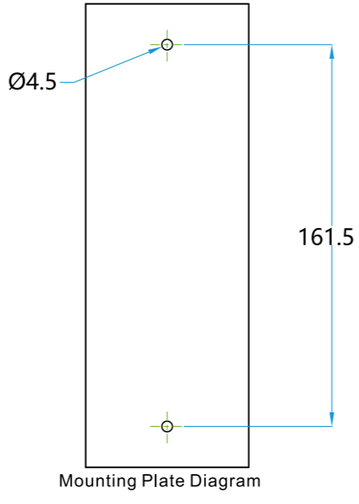
■ ASKM3DC-250/320-2P FRAME



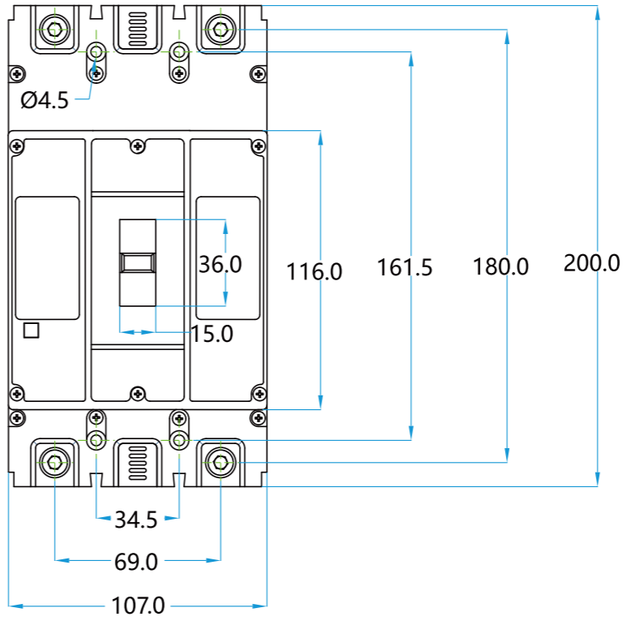


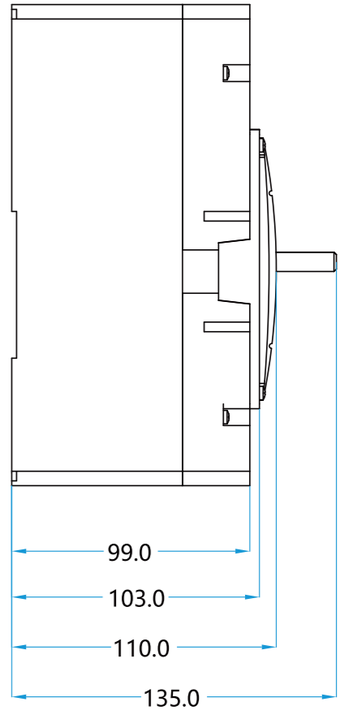


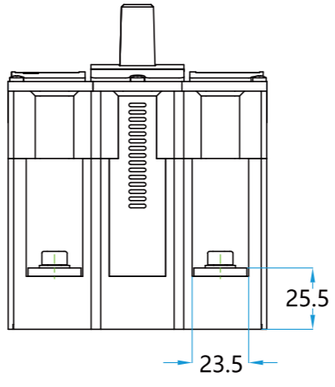


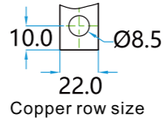


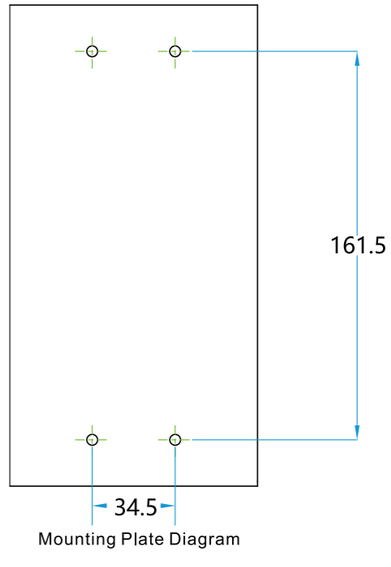
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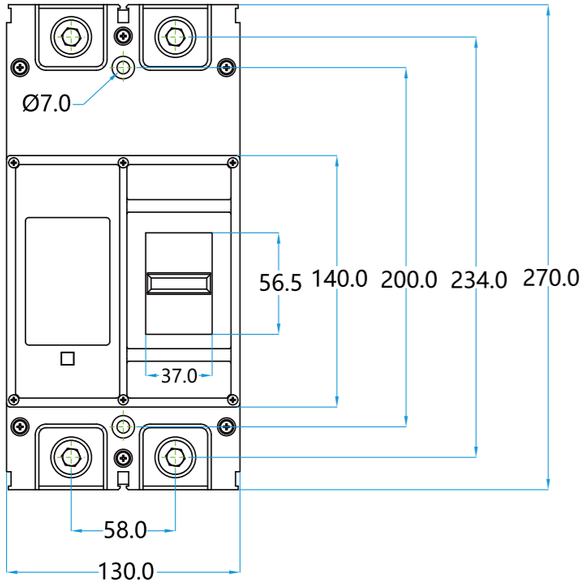


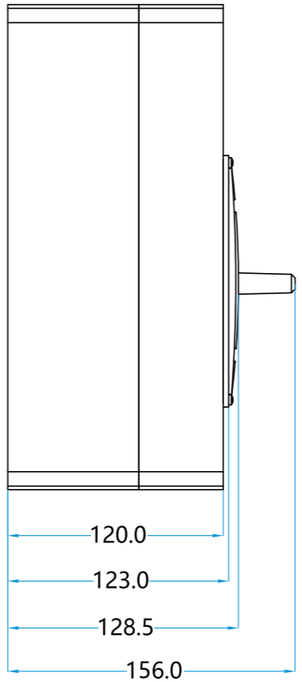


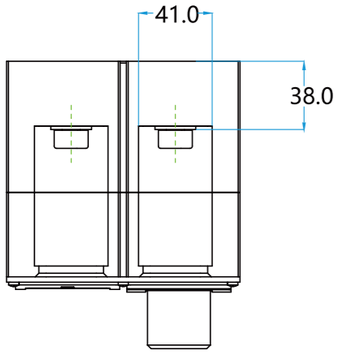


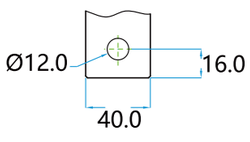
OVERALL DIMENSIONS

■ ASKM3DC-400/630/800-2P FRAME

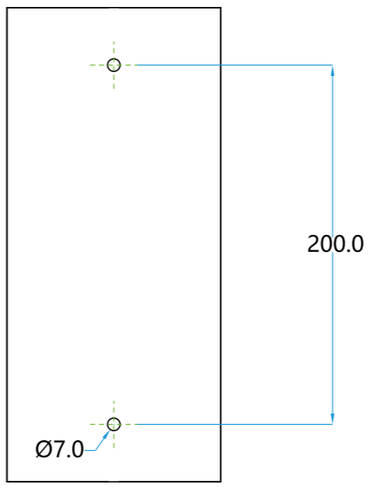






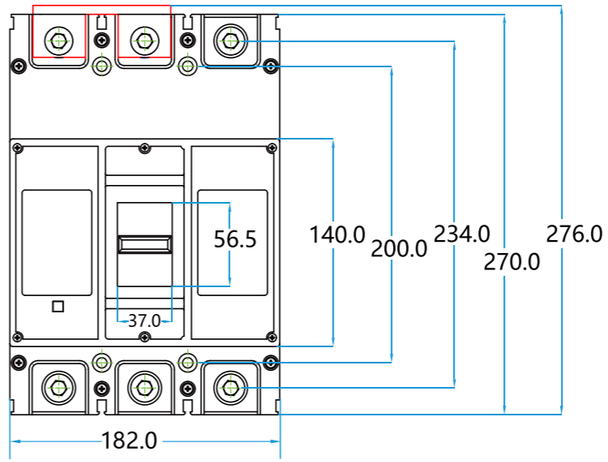


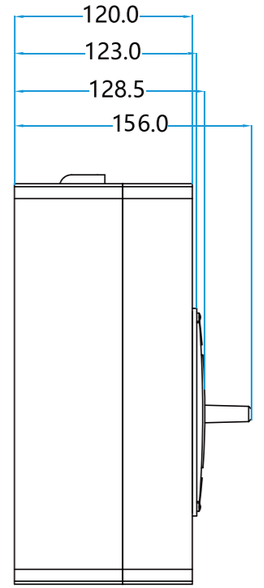
Copper row size

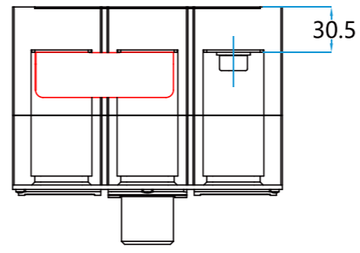


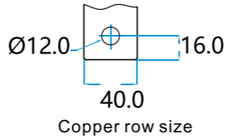
Mounting Plate Diagram

■ ASKM3DC-400/630/800-3P FRAME

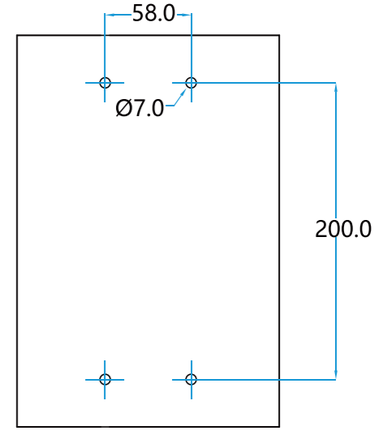








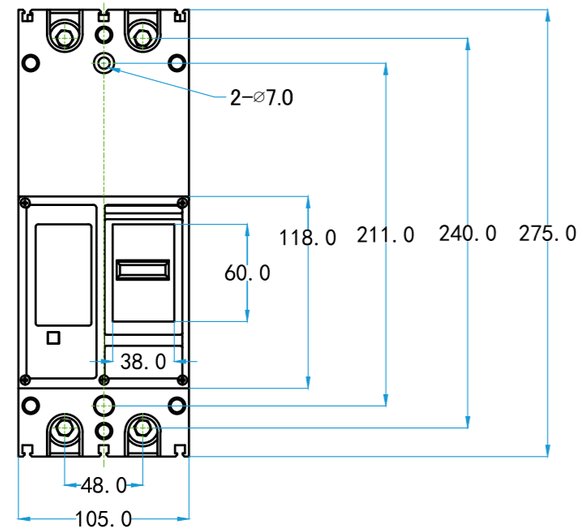
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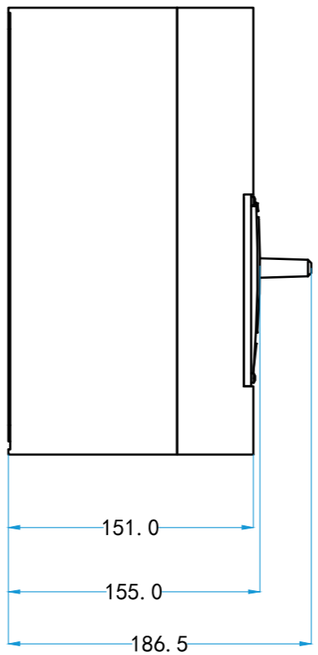


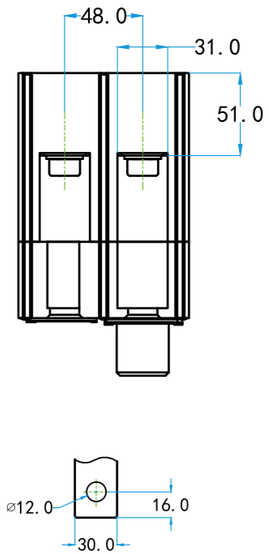
Mounting Plate Diagram

OVERALL DIMENSIONS

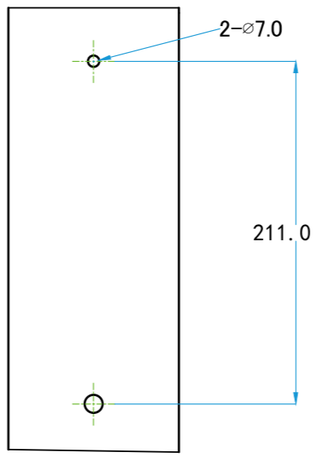
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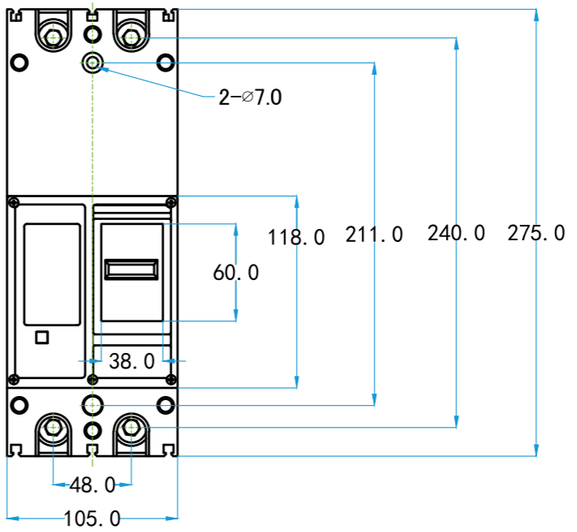


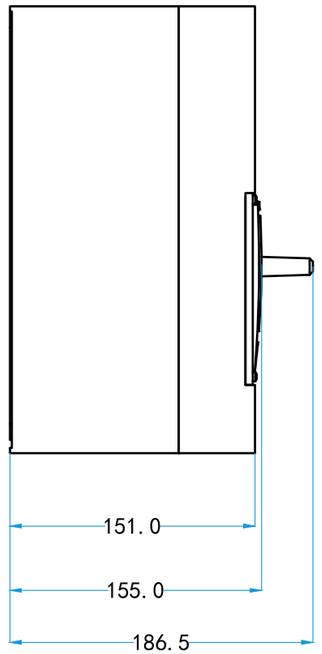
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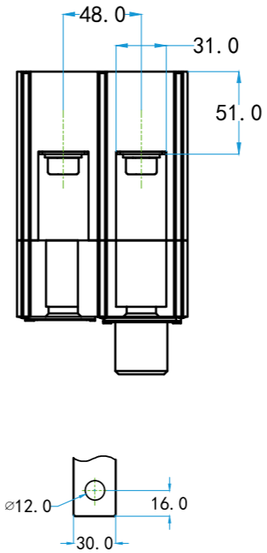


Mounting Plate Diagram

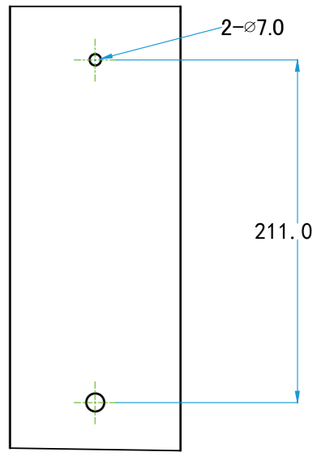
■ ASKM3DC-630P/2P FRAME







Copper row size



Mounting Plate Diagram