

■ Feature

Device type universal nut terminals with safety protective cover

10-90A Power Output

Rated load voltage 240VAC/480VAC

Triac power switch

Have

DC-AC (DC signal to control the AC load)

AC-AC (AC signal to control the AC load)

Normally open / normally closed output

Optoelectronic devices Isolation

Zero / Random trigger form

SMD placement process

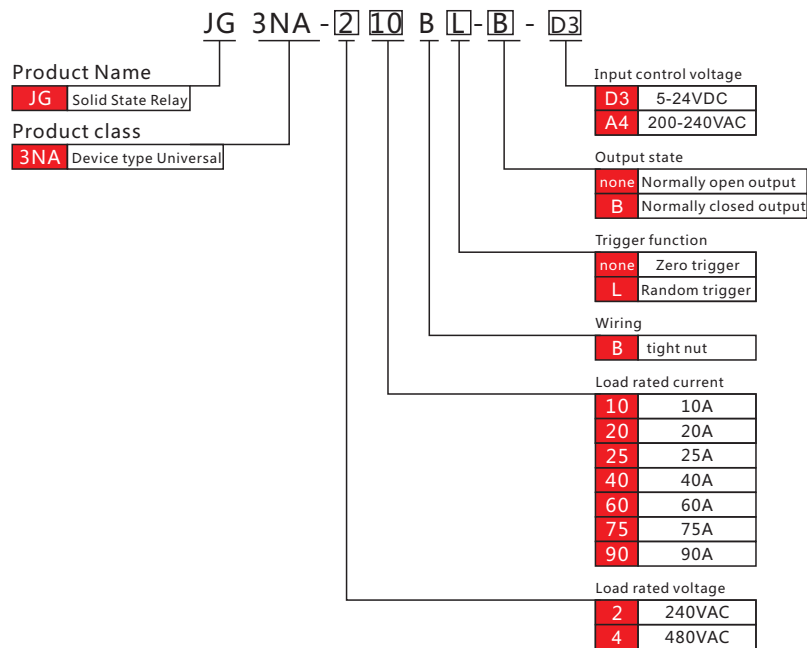
With protective cover

LED status indication

Built-in RC absorption / varistor protection



■ Model comment



■ Class

JG3NA

Model	Input rated voltage	Run Tip	be isolated	Trigger function	Output Applicable load	Output state				
JG3NA-210B-D3	DC5 ~ 24V			Zero trigger	10A 240VAC	Normally open output				
JG3NA-220B-D3					20A 240VAC					
JG3NA-225B-D3					25A 240VAC					
JG3NA-240B-D3					40A 240VAC					
JG3NA-260B-D3					60A 240VAC					
JG3NA-275B-D3					75A 240VAC					
JG3NA-290B-D3					90A 240VAC					
JG3NA-210BL-D3					Random trigger		10A 240VAC			
JG3NA-220BL-D3				20A 240VAC						
JG3NA-225BL-D3				25A 240VAC						
JG3NA-240BL-D3				40A 240VAC						
JG3NA-260BL-D3				60A 240VAC						
JG3NA-275BL-D3				75A 240VAC						
JG3NA-290BL-D3				90A 240VAC						
JG3NA-210B-A4				AC100-240V			Led	Optocoupler	Zero trigger	10A 240VAC
JG3NA-220B-A4					20A 240VAC					
JG3NA-225B-A4	25A 240VAC									
JG3NA-240B-A4	40A 240VAC									
JG3NA-260B-A4	60A 240VAC									
JG3NA-275B-A4	75A 240VAC									
JG3NA-290B-A4	90A 240VAC									
JG3NA-210BL-A4	Random trigger	10A 240VAC								
JG3NA-220BL-A4		20A 240VAC								
JG3NA-225BL-A4		25A 240VAC								
JG3NA-240BL-A4		40A 240VAC								
JG3NA-260BL-A4		60A 240VAC								
JG3NA-275BL-A4		75A 240VAC								
JG3NA-290BL-A4		90A 240VAC								
JG3NA-210B-B-D3		DC5 ~ 24V			Optocoupler	Zero trigger			10A 240VAC	Normally closed output
JG3NA-220B-B-D3	20A 240VAC									
JG3NA-225B-B-D3	25A 240VAC									
JG3NA-240B-B-D3	40A 240VAC									
JG3NA-260B-B-D3	60A 240VAC									
JG3NA-275B-B-D3	75A 240VAC									
JG3NA-290B-B-D3	90A 240VAC									

■ Class

JG3NA

Model	Input rated voltage	Run Tip	be isolated	Trigger function	Output Applicable load	Output state				
JG3NA-410B-D3	DC5 ~ 24V			Zero trigger	10A 480VAC	Normally open output				
JG3NA-420B-D3					20A 480VAC					
JG3NA-425B-D3					25A 480VAC					
JG3NA-440B-D3					40A 480VAC					
JG3NA-460B-D3					60A 480VAC					
JG3NA-475B-D3					75A 480VAC					
JG3NA-490B-D3					90A 480VAC					
JG3NA-410BL-D3					Random trigger		10A 480VAC			
JG3NA-420BL-D3				20A 480VAC						
JG3NA-425BL-D3				25A 480VAC						
JG3NA-440BL-D3				40A 480VAC						
JG3NA-460BL-D3				60A 480VAC						
JG3NA-475BL-D3				75A 480VAC						
JG3NA-490BL-D3				90A 480VAC						
JG3NA-410B-A4				AC100-240V			Led	Optocoupler	Zero trigger	10A 480VAC
JG3NA-420B-A4					20A 480VAC					
JG3NA-425B-A4	25A 480VAC									
JG3NA-440B-A4	40A 480VAC									
JG3NA-460B-A4	60A 480VAC									
JG3NA-475B-A4	75A 480VAC									
JG3NA-490B-A4	90A 480VAC									
JG3NA-410BL-A4	Random trigger	10A 480VAC								
JG3NA-420BL-A4		20A 480VAC								
JG3NA-425BL-A4		25A 480VAC								
JG3NA-440BL-A4		40A 480VAC								
JG3NA-460BL-A4		60A 480VAC								
JG3NA-475BL-A4		75A 480VAC								
JG3NA-490BL-A4		90A 480VAC								
JG3NA-410B-B-D3		DC5 ~ 24V			Optocoupler	Zero trigger			10A 480VAC	Normally closed output
JG3NA-420B-B-D3	20A 480VAC									
JG3NA-425B-B-D3	25A 480VAC									
JG3NA-440B-B-D3	40A 480VAC									
JG3NA-460B-B-D3	60A 480VAC									
JG3NA-475B-B-D3	75A 480VAC									
JG3NA-490B-B-D3	90A 480VAC									

Parameter

Input(Environment temperature25°C)

Model	Rated voltage	Voltage range	Impedance	Control voltage	
				Operating voltage	Reset Voltage
JG3NA-□-D3	DC5~24V	DC3~32V	7mA of the following	more then DC3V	DC1V of the following
JG3NA-□-A4	AC200~240V	AC150~264V	72kΩ±20%	more then AC150V	AC40V of the following

Output(Environment temperature25°C)

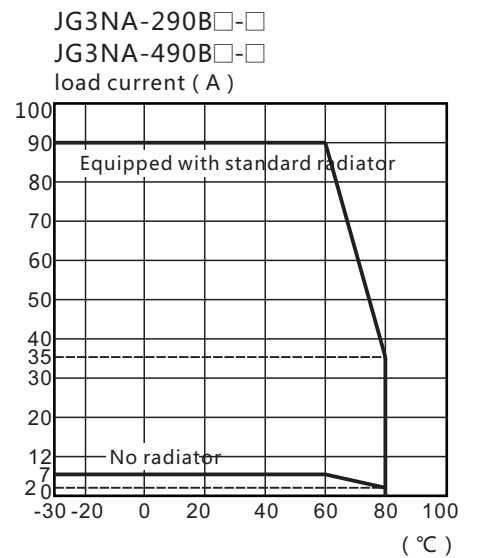
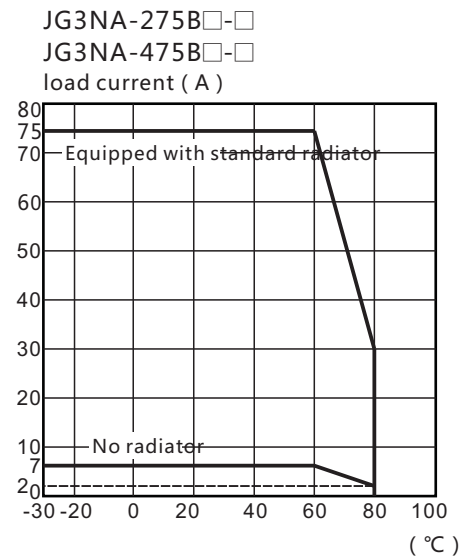
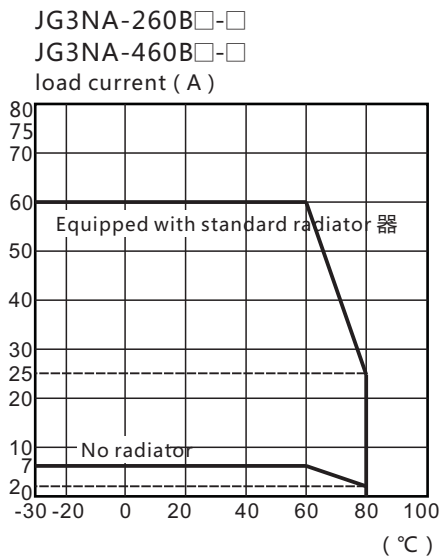
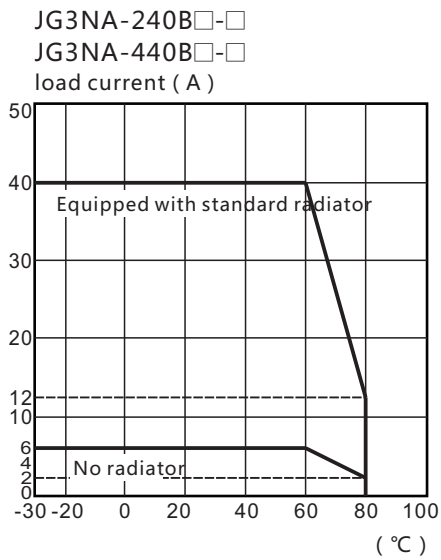
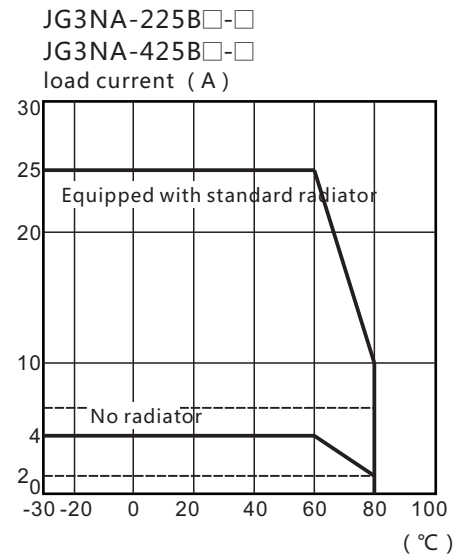
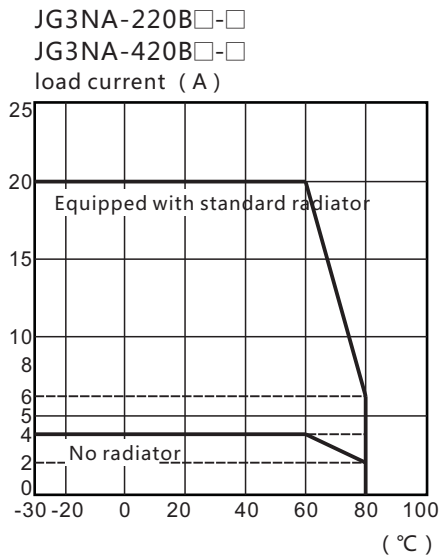
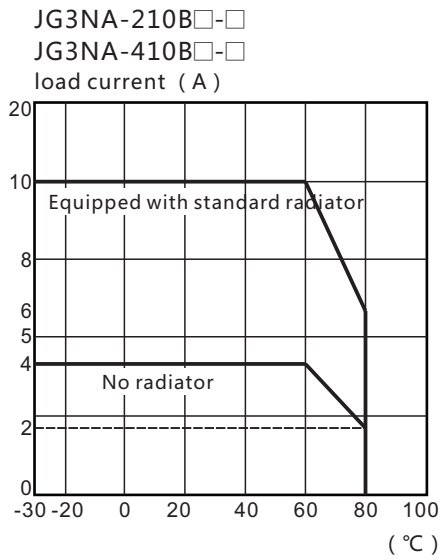
Mode	Rated voltage	Voltage range	Load current(40°C)		Surge current	Peak voltage
			Radiator	No radiator		
JG3NA-210B-□	AC24~240V	AC19~264V	0.1~10A	0.1~4A	150A (50Hz A cycle)	600V(VDRM)
JG3NA-220B-□			0.1~20A		200A (50Hz A cycle)	
JG3NA-225B-□			0.1~25A		240A (50Hz A cycle)	
JG3NA-240B-□			0.1~40A	0.1~6A	440A (50Hz A cycle)	
JG3NA-260B-□			1~60A	1~7A	600A (50Hz A cycle)	
JG3NA-275B-□			1~75A		800A (50Hz A cycle)	
JG3NA-290B-□			1~90A		1,000A (50Hz A cycle)	
JG3NA-410B-□	AC200~480V	AC180~528V	0.2~10A	0.2~4A	150A (50Hz A cycle)	1,200V(VDRM)
JG3NA-420B-□			0.2~20A		220A (50Hz A cycle)	
JG3NA-425B-□			0.2~25A		240A (50Hz A cycle)	
JG3NA-440B-□			0.2~40A	0.2~6A	440A (50Hz A cycle)	
JG3NA-460B-□			1~60A	1~7A	600A (50Hz A cycle)	
JG3NA-475B-□			1~75A		800A (50Hz A cycle)	
JG3NA-490B-□			1~90A		1,000A (50Hz A cycle)	

■ Product Features

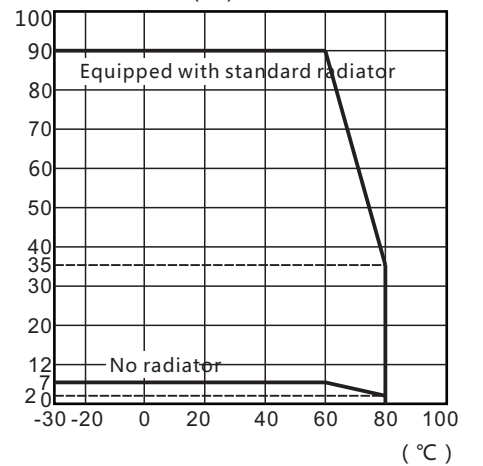
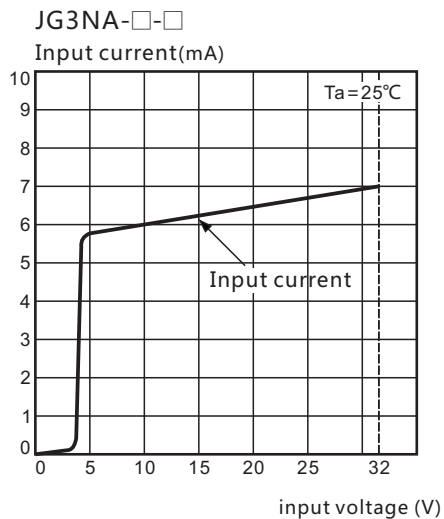
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	JG3NA-210B-B-□ JG3NA-220B-B-□ JG3NA-225B-B-□ JG3NA-240B-B-□ JG3NA-260B-B-□ JG3NA-275B-B-□ JG3NA-290B-B-□	JG3NA-410B-B-□ JG3NA-420B-B-□ JG3NA-425B-B-□ JG3NA-440B-B-□ JG3NA-460B-B-□ JG3NA-475B-B-□ JG3NA-490B-B-□		
Action time	Load power cycle + 1 ms to 0.5 the following (DC input) Load power cycle + 1 ms to 1.5 the following (AC input)		Less than 1 ms	
Reset time	Load power cycle + 1 ms to 0.5 the following (DC input) Load power cycle + 1 ms to 1.5 the following (AC input)			
Output DP	Less than1.6V(RMS)	Less than1.8V(RMS)	Less than1.6V(RMS)	Less than1.8V(RMS)
Leakage Current	Less than5mA (10~40A) Less than10mA (60~90A)	Less than10mA (10~40A) Less than20mA (60~90A)	Less than5mA (10~40A) Less than10mA (60~90A)	Less than10mA (10~40A) Less than20mA (60~90A)
Insulation resistance	more then100MΩ(Megger DC500V)			
voltage resistance	AC2,500V 50/60Hz 1min			
Vibration	10~55~10Hz Single amplitude 0.75mm(Double amplitude1.5mm)			
Assault	1,000m/s ²			
Storage temperature	-30~+100°C			
Usage temperature	-30~+80°C			
Usage humidity	45 ~ 85%RH			
Weight	65-95g			

Performance data

Load current -Environmental temperature rating

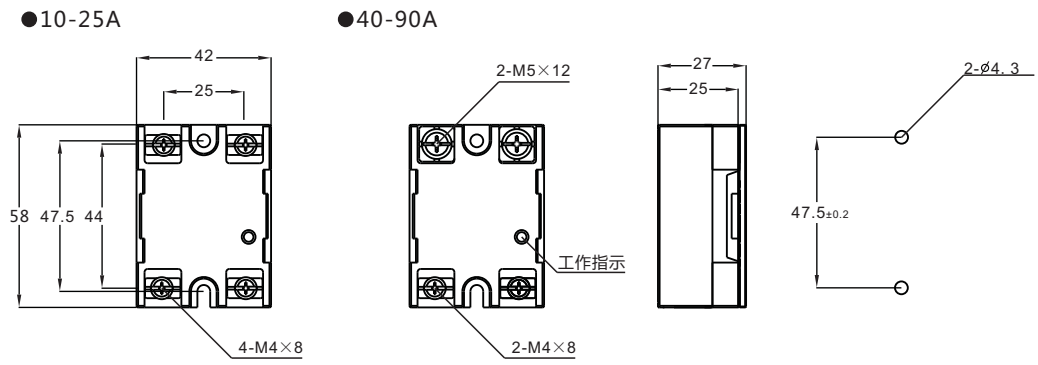


Input voltage -The characteristics of input current

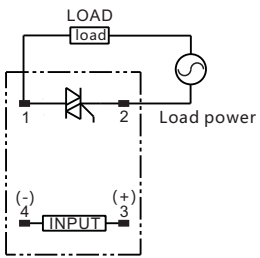


Size and Appearance size

Size(mm)



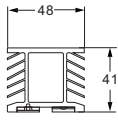
Appearance size



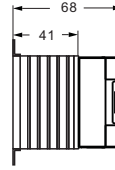
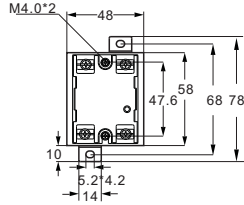
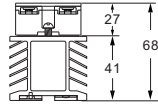
Radiator

HRA HRA-58B

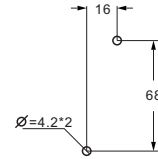
class	HRA-58B
L×W×H(mm)	58×48×41
current range	5-10A
apply to	JG3NA-210B JG3NA-410B



JG3NA-210B
JG3NA-410B

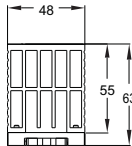


Radiator mounting dimensions

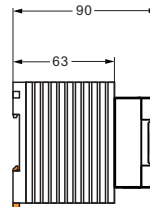
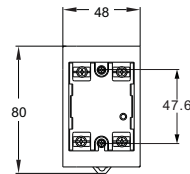
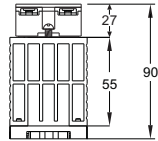


HRB HRB-75D

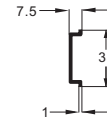
class	HRB-75D
L×W×H(mm)	75×48×55
current range	15-20A
apply to	JG3NA-220B JG3NA-420B



JG3NA-220B
JG3NA-420B

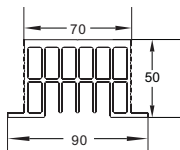


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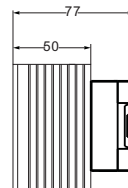
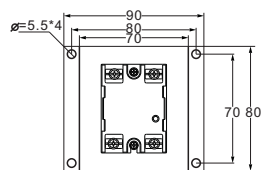
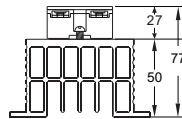


HRC HRC-80B

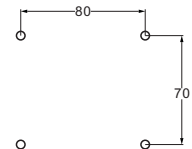
class	HRC-80B
L×W×H(mm)	80×90×50
current range	25-30A
apply to	JG3NA-225B JG3NA-425B



JG3NA-225B
JG3NA-425B

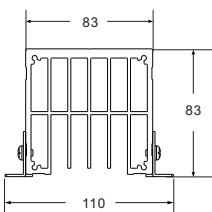


Radiator mounting dimensions

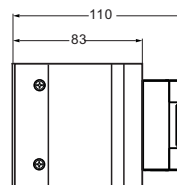
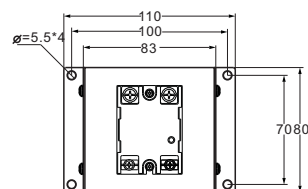
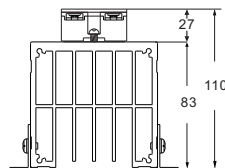


HRD HRD-80B

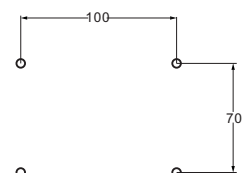
class	HRD-80B
L×W×H(mm)	80×83×82
current range	30-40A
apply to	JG3NA-240B JG3NA-440B



JG3NA-240B
JG3NA-440B



Radiator mounting dimensions



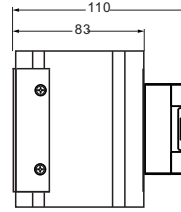
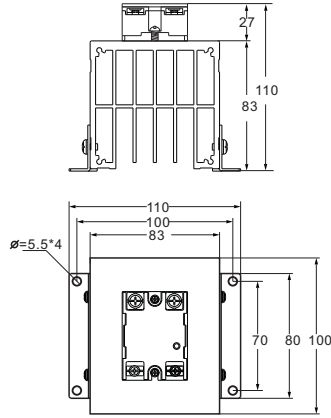
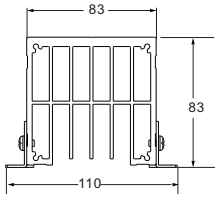
Radiator

JG3NA-260B
JG3NA-460B

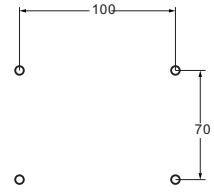
● HRD

HRD-100B

class	HRD-100B
L×W×H(mm)	100×83×82
current range	50-60A
apply to	JG3NA-260B JG3NA-460B



● Radiator mounting dimensions

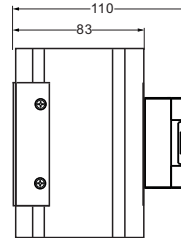
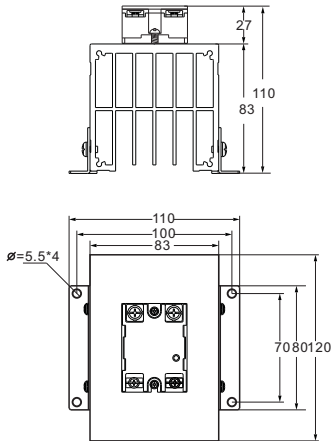
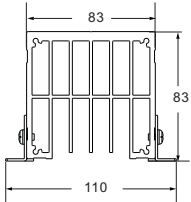


● HRD

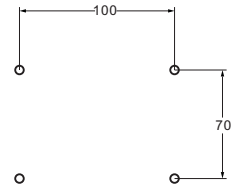
HRD-120B

JG3NA-275B
JG3NA-475B

class	HRD-120B
L×W×H(mm)	120×83×82
current range	60-80A
apply to	配JG3NA-275B 配JG3NA-475B



● Radiator mounting dimensions

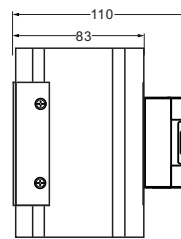
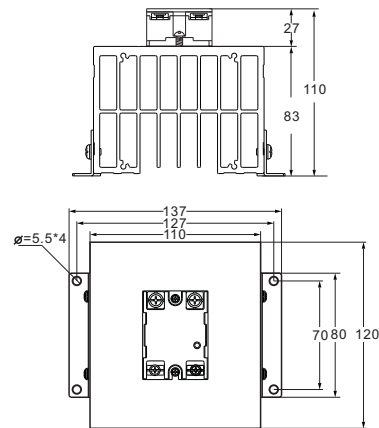
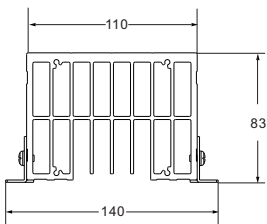


● HRE

HRE-120B

JG3NA-290B
JG3NA-490B

class	HRE-120B
L×W×H(mm)	120×110×82
current range	90-120A
apply to	JG3NA-290B JG3NA-490B



● Radiator mounting dimensions

