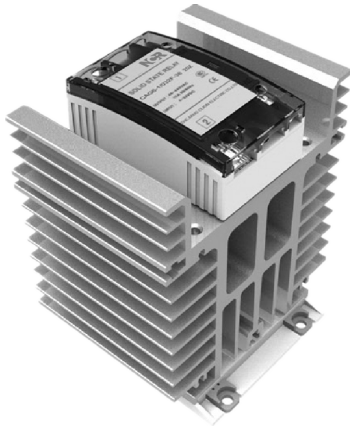




Solid-State Relay CAG6H-1 60A/80A



- Enhanced load voltage-up to 660VAC with high power dual SCR output.
- 4 ~ 32VDC or 90~250VAC control voltage
- Single Phase, Zero cross-over switching
- LED control input indicator
- Integrated heatsink with DIN rail mounted
- RoHS Compliant
- UL pending

Output (load)

Load type		SPST-NO (1 N/O) Resistive
Load current		60A, 80A
Load switching voltage	AC V_{rms}	60 - 660V
Maximum peak voltage	AC V_{pk}	900V
Minimum load current		0.1A
Inrush Current (max.)	10ms	60A: 720A / 80A: 1000A
I^2t		60A: 2600A ² s / 80A: 5000A ² s
Switch type		Zero Cross (Consult factory for Random)
On voltage drop	V AC	1.6V
Leakage current off	mA	≤ 10mA

Input (control)

Control voltage (rated)	V	DC Control: 4 - 32VDC / AC Control:90 - 250VAC
Control current	mA	< 20mA
Turn-on voltage (min)	V_{min}	DC Control: 3.5VDC / AC Control:80VAC
Turn-on voltage (max)	V_{max}	DC Control: 35VDC / AC Control:280VAC
Turn-off voltage	V	DC Control: 2VDC / AC Control:40VAC

Insulation

Insulation resistance		≤ 500MΩ at 500VDC, 50%RH
Dielectric strength	V AC	≥ 2500V

General Data

Operating time (typical)	mS	Approximately 1/2 cycle of load frequency + ≤1ms
Release time (typical)	mS	Approximately 1/2 cycle of load frequency + ≤1ms
Dimensions	L x W x H	100 x 110 x 127mm
Weight		approx. 940g
Ambient temperature	storage	-30 to 100°C (No icing or condensation)
	operating	-30 to 80°C (with derating). (No icing or condensation)
Relative Humidity		45 - 85% RH

Ordering Code

CAG6H-1 / 032 F - 38 - 60 Z

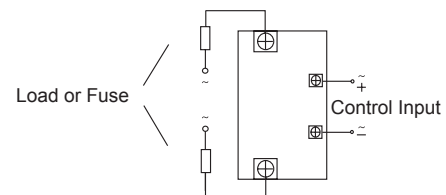
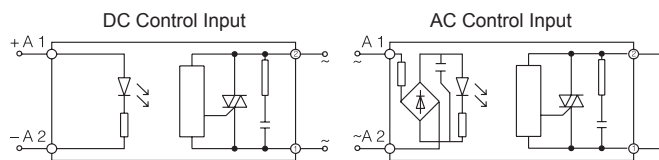
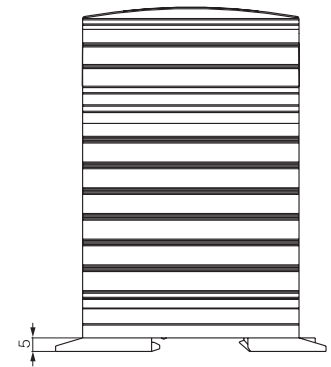
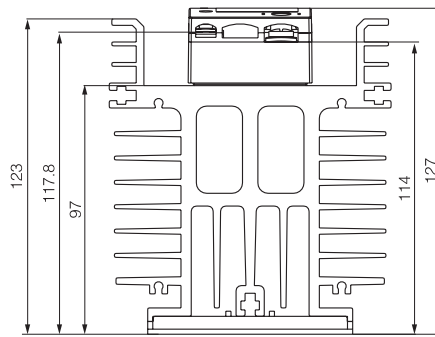
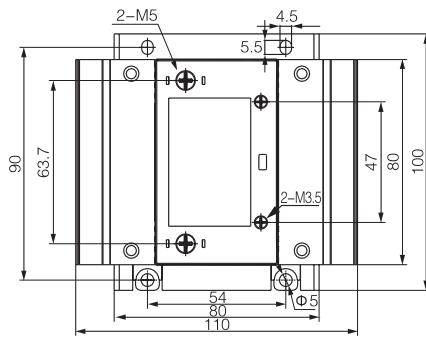
Z - Zero Crossover
R - Random

60 - 60A
80 - 80A

38 - 40~440VAC

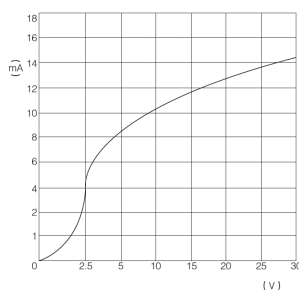
032 - 4~32VDC
250 - 90~250VAC

Dimensions

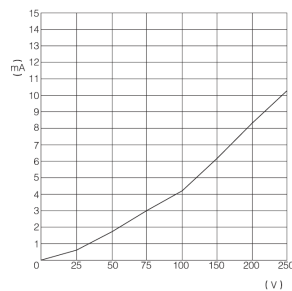


Dimensions in mm

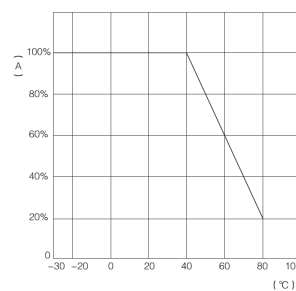
Input Current v. Control Voltage: 4 ~ 32VDC



Input Current v. Control Voltage: 90 ~ 250VAC



Load Current Derating v. Ambient Temperature



Load Output v. Input Control Action (Zero X-over)

