


JGX-40F

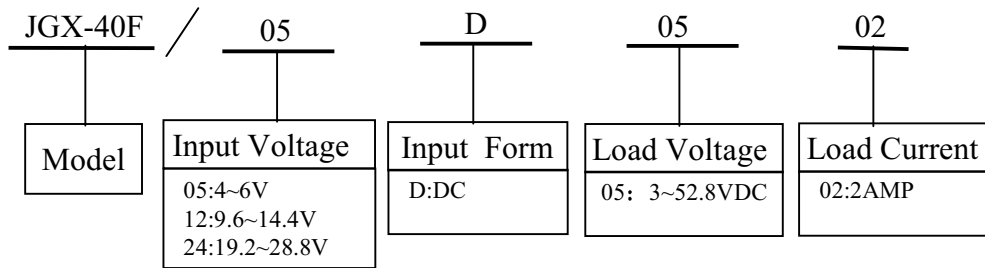
 <p>ISO 9001 Certified</p>	<h2>Solid State Relay</h2> <h3>DC50V 2Amp</h3>	<h1>JGX-40F</h1>
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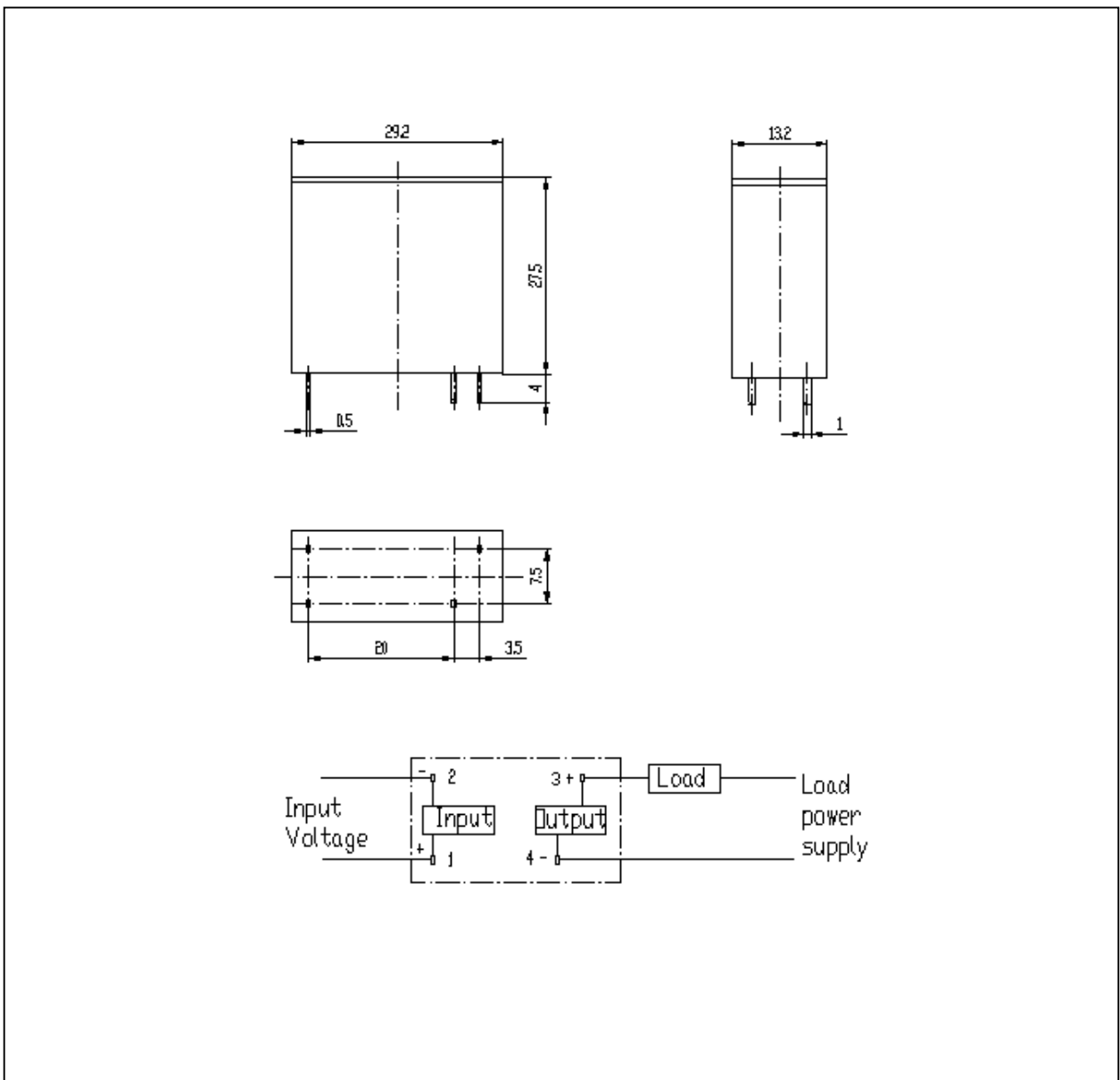
- *Optical Isolation*
- *Status Indicating LED*
- *High Dielectric Strength*
- *Bipolar Transistor Output*
- *PCB Mount*

INPUT	Control Voltage Range	05D	4 to 6 VDC
		12D	9.6 to 14.4VDC
		24D	19.2 to 28.8VDC
	Must Operate Voltage	05D	3.5VDC
		12D	8.4VDC
		24D	16.8VDC
	Must Release Voltage	05D	0.3VDC
		12D	0.9VDC
		24D	1.8VDC
Typical Input Current		12mA @ 5VDC	
OUTPUT	Load Voltage Range		3 to 52.8 VDC
	Load Current Rating		0.01-2A
	Max Surge Current(16.6mS)		8A
	Max On-State Voltage Drop		1.5 VAC
	Transient Overvoltage		80Vpk
	Max Leakage current		0.1mA
	Max Turn-on Time		1ms
	Max Turn-Off Time		1ms
GENERAL	Dielectric strength		2500 VAC,1min
	Min Insulation resistance		100M Ω min, 500VDC
	Ambient temp.range(Operating)		-30 to +80°C
	Termination		PCB terminal
	Weight(Max)		18g
	Construction		Fully-sealed

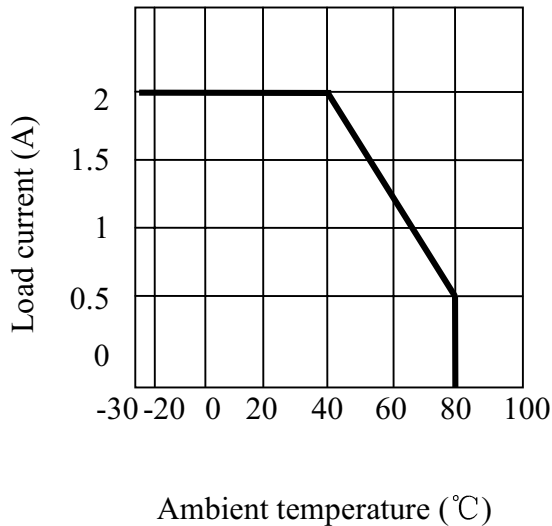
■ ORDER DESIGNATION



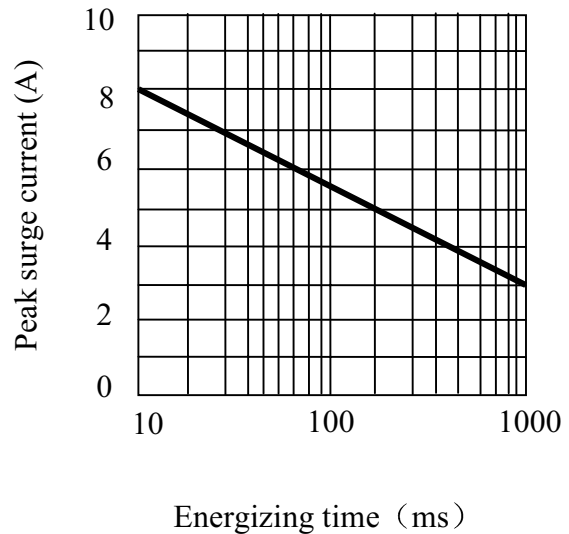
■ OUTLINE DIMENSIONS , MOUNTING AND WIRING



■ CHARACTERISTIC CURVES



Maximum load current vs. ambient temperature



Peak surge current vs. Surge current duration

■ PRECAUTIONS

LOAD CONNECTION

Before connecting a load that generates a high surge current, such as a lamp load, to the SSR, make sure that the SSR can withstand the surge current of the load.

The product data sheet shows the non-repetitive peak value of the surge current that flows through the SSR. Normally, use 1/2 the non-repetitive peak surge current as the standard value. If a surge current exceeding that value is expected, connect a quick-blowing fuse to protect the SSR.

■ NOTES

Soldering must be completed within 10 seconds at 260°C maximum.

The SSR case serves to dissipate heat. Install the relays so that they are adequately ventilated. If poor ventilation is unavoidable, reduce the load current by half.

Make sure that the polarity is correct when connecting the JGX-40F output to the load

When using the JGX-40F for an dC load with a peak voltage of more than 80V, connect the load terminals of the relay to an inrush absorber.

When testing dielectric strength, apply voltage between input and output, input and output terminals should be shorted respectively.