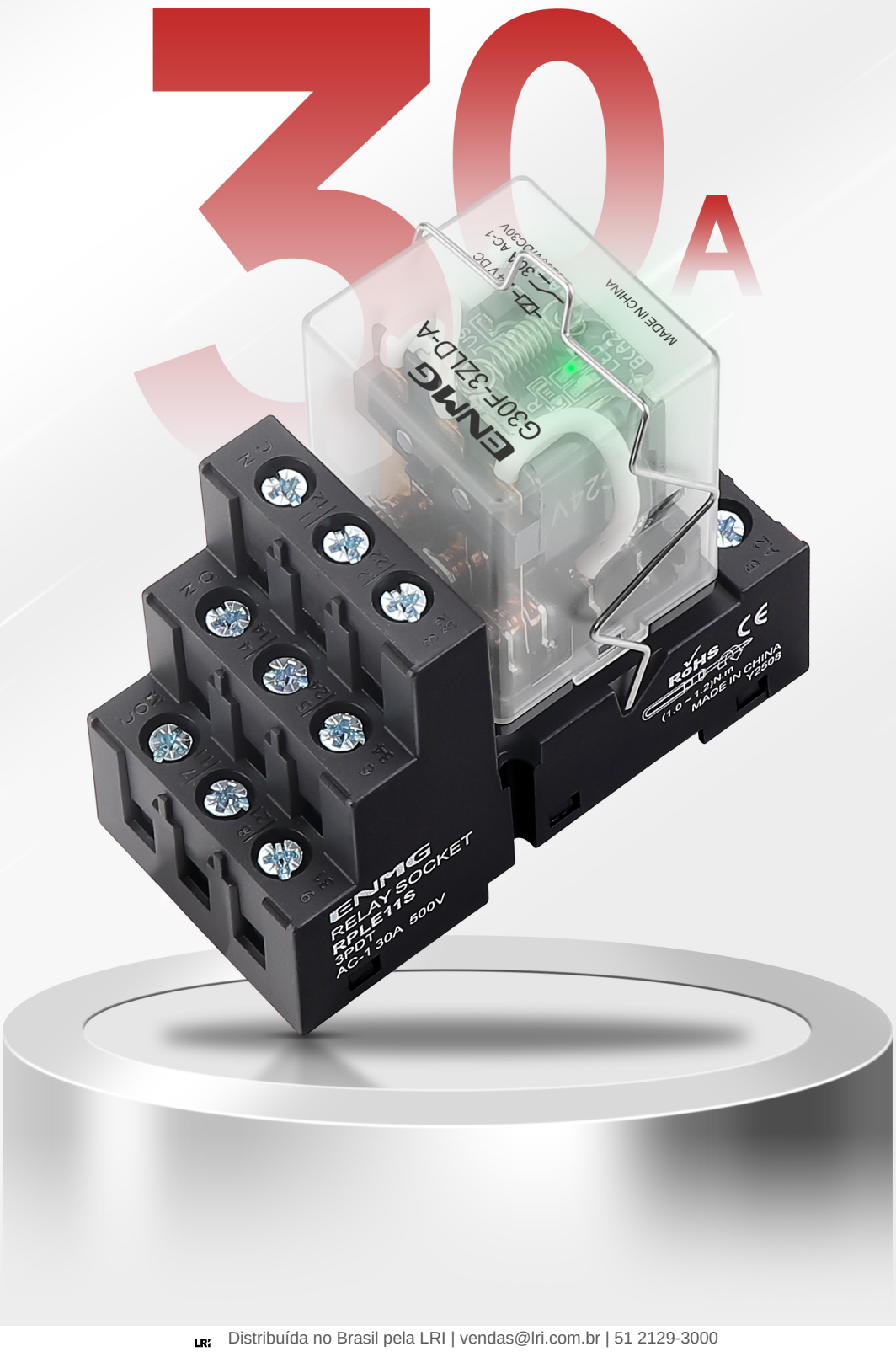
Panel Relay G30F

30A high load | 3+1 separate base | Overvoltage protection

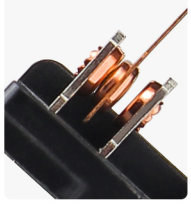


G30F



30A
High load

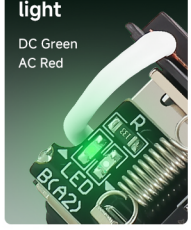
Contacts
Silver alloy



Copper-clad coil
Enough quantity



Working status light
DC Green
AC Red





Protection component

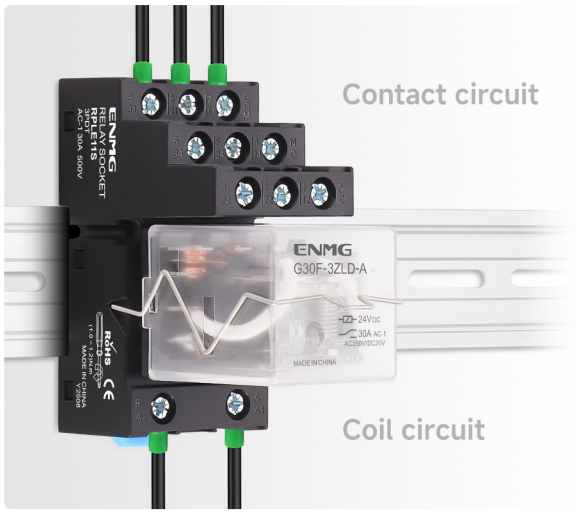
Bidirectional Transient Voltage Suppressor(TVS), suppress and absorb transient voltages, over-voltages, and surges.

2 / 3 group Convert

Multiple Standards CE RoHS
*Only the base conforms to RoHS, As per label.

3+1 Isolated Type Base.

Standard DIN35mm rail mounting, with separate wiring for contact and coil circuits to avoid cross short circuits



OEM / ODM
Customization

1.Test button type（Inching or locking）;
2.The AC operating coil surge voltage absorption (VDR) function is built-in as a specifiable option;
3.Optional HS-P31 bracket，Connected with #250 quick-connect terminal wires;

Product Information.

Contact Technical Characteristics

Contact form :	2C（DPDT） 3C（3PDT）
Maximum allowable current :	30A
Maximum allowable voltage :	AC250V DC30V
Contact material :	Hard silver alloy
Contact resistance :	≤100mΩ first time
Minimum load capacity :	100mA 5VDC

Coil Technical Characteristics

Coil voltage :	12V、24VDC；220VAC
Power consumption :	DC<1.5W, AC<2.5VA
Operating voltage :	DC≤75%, AC≤80%
Reset voltage :	DC≥10%, AC≥30%
Maximum voltage :	110% rated voltage

General Technical Characteristics

Mounting method :	Base flange,rail socket,top flange,screw, PCB welding
Insulation resistance :	100MΩ at 500VDC
Dielectric withstand voltage :	Between contacts≥1200Vrms 50/60Hz 1min Between contacts of each pole≥1500Vrms 50/60Hz 1min Between coil contacts≥1500Vrms 50/60Hz 1min
Terminal type :	Plug-in(#250 quick plug-in terminal, socket RPME11S),PCB soldering terminal
Lifespan :	Electrical 10,000 times Mechanical 100,000 times
Ambient humidity :	35 ~ 80%RH(No condensation and no icing)
Weight :	≈150g

* Product features and appearance structure are subject to change due to technological innovation and improvement without prior notice;
Due to reasons such as shooting, typesetting, printing, etc., there will be slight differences between the product images and the actual products.

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Select Specifications.

Model Description

The design of product models and ordering codes is intended to cover all possible specifications of this series of products, and they cannot be combined arbitrarily.If you have any questions during the first selection, please contact the technical service engineers for confirmation.

	Mounting method None: Socket type K: Rear mounting ear P: PCB welding		Function type L: Indicator light LD: Light+ freewheeling protection LV: Light+ Surge protection		Rated voltage of the coil 12VDC; 24VDC; 24VAC 110VAC: 100~120VAC 220VAC: 200~240VAC 380VAC: 380~400VAC	
G30F	- K	3Z	LD	- A	220VAC	
Power relay High capacity		Contact form 1Z: SPDT 2Z: DPDT 3Z: 3PDT		Technical features None: Basic type A: Improved type		

Selection Table

Regular·Socket Type

Function type	Relay model		Base model
	2NO/2NC	3NO/3NC	
Basic type	G30F-2Z-A	G30F-3Z-A	RPLE11S
Light	G30F-2ZL-A	G30F-3ZL-A	
Light+DIODE (DC)	G30F-2ZLD-A	G30F-3ZLD-A	
Light+VDR (AC)	G30F-2ZLV-A	G30F-3ZLV-A	

Custom Version·Rear Mounting Ear

Function type	Relay model	
	2NO/2NC	3NO/3NC
Basic type	G30F-K2Z-A	G30F-K3Z-A
Light	G30F-K2ZL-A	G30F-K3ZL-A
Light+DIODE (DC)	G30F-K2ZLD-A	G30F-K3ZLD-A
Light+VDR (AC)	G30F-K2ZLV-A	G30F-K3ZLV-A

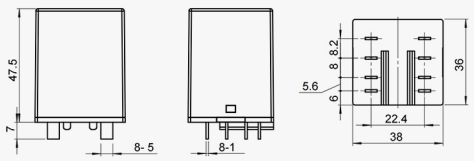
Custom Version·PCB Welding

Function type	Relay model	
	2NO/2NC	3NO/3NC
Basic type	G30F-P2Z-A	G30F-P3Z-A
Light	G30F-P2ZL-A	G30F-P3ZL-A
Light+DIODE (DC)	G30F-P2ZLD-A	G30F-P3ZLD-A
Light+VDR (AC)	G30F-P2ZLV-A	G30F-P3ZLV-A

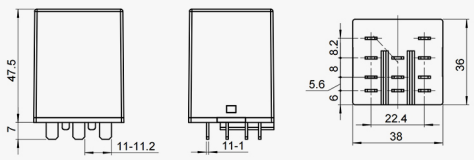
Overall Dimension

*Unit: mm±0.5.The dimensions are measured manually,so there may be deviations. Please refer to the actual product.

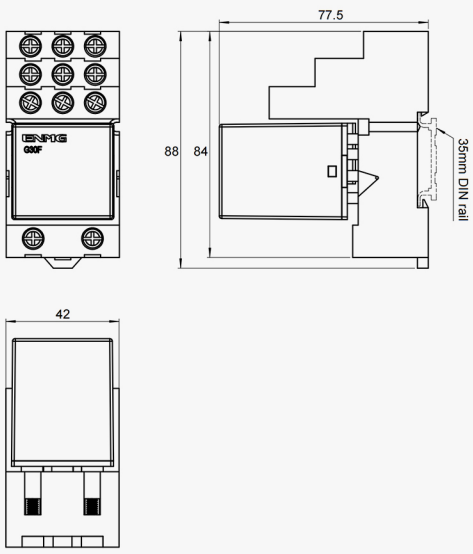
G30F-2Z
2NO/2NC



G30F-3Z
3NO/3NC



G30F-2Z + RPLE11S / G30F-3Z + RPLE11S
2NO/2NC kit / 3NO/3NC kit

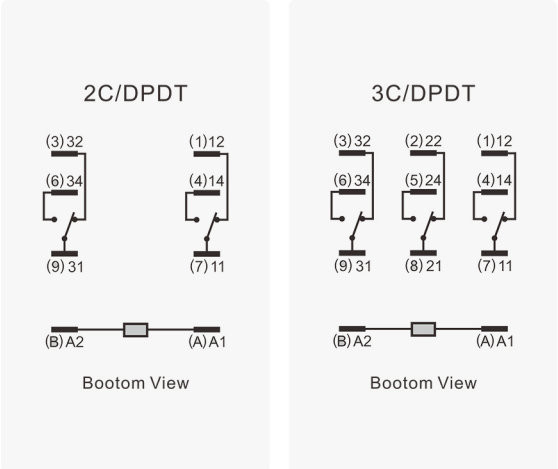


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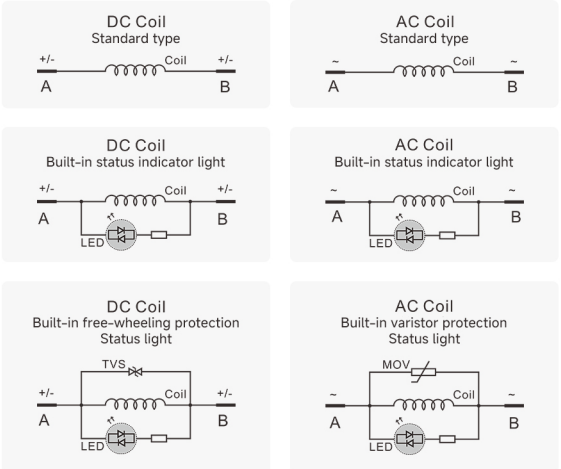
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Internal Schematic Diagram.

Terminal Wiring Diagram

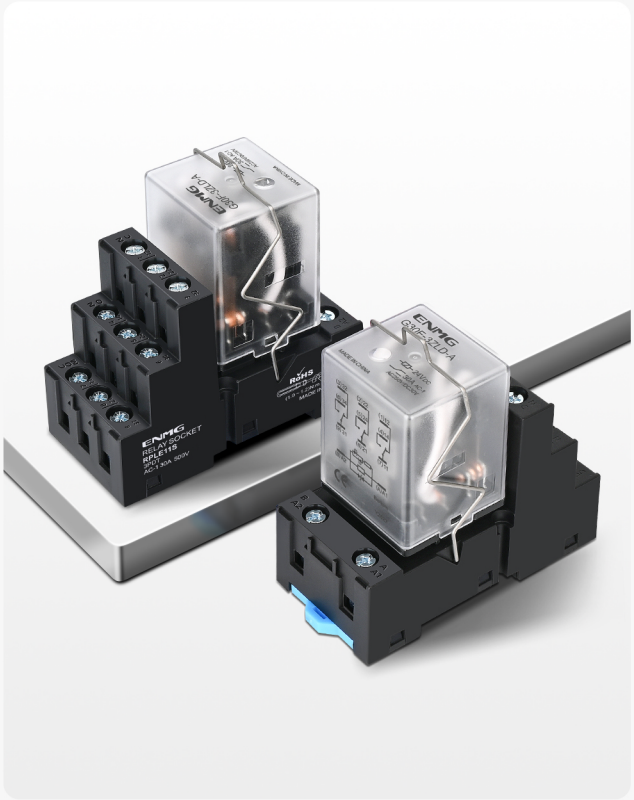


Coil Circuit（Selected）



Appearance Display.







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