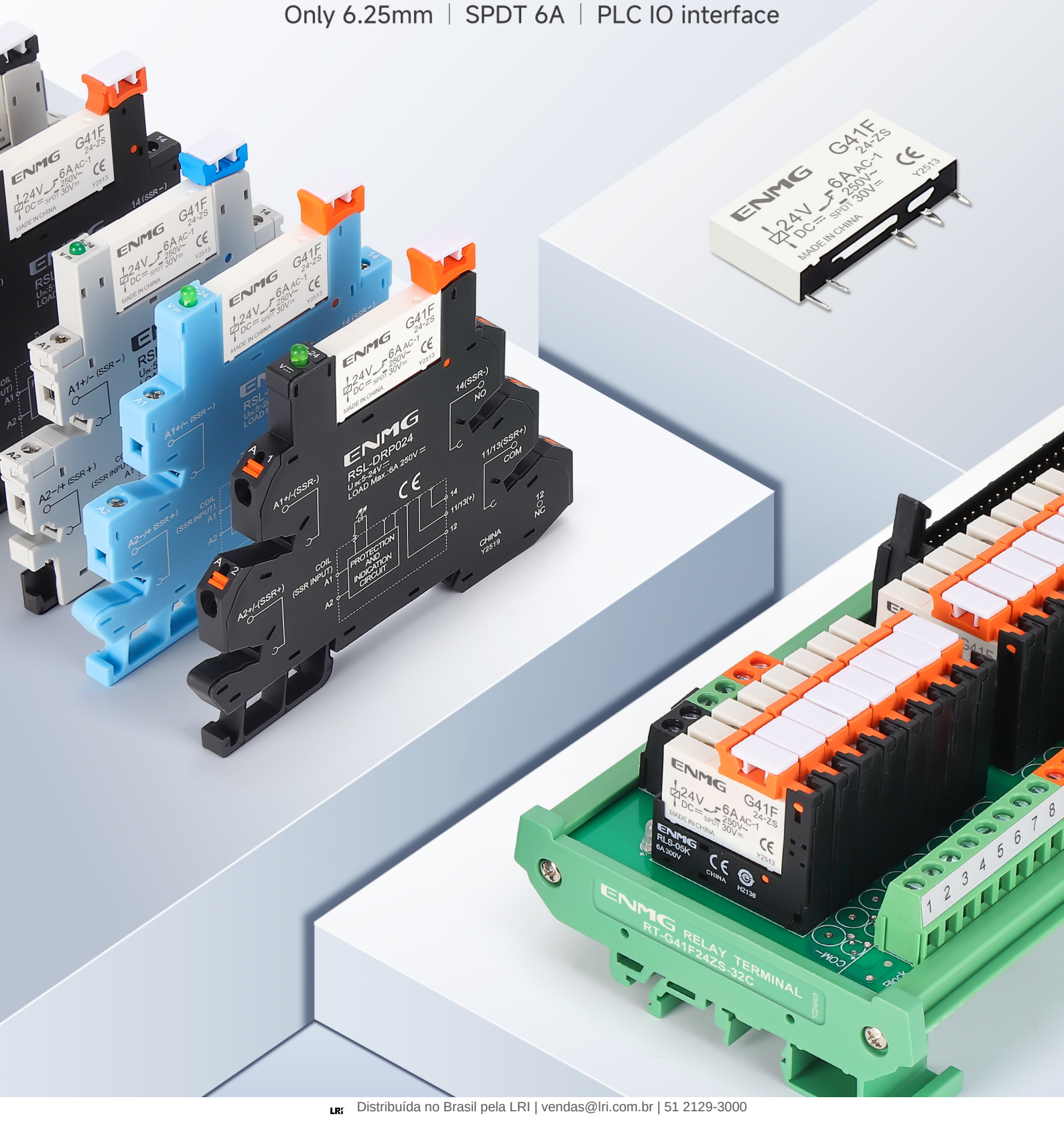
Space-Saving

Ultra-Slim Relay G41F

Only 6.25mm | SPDT 6A | PLC IO interface



Small-Size Exceptional

5mm thickness，6A switching

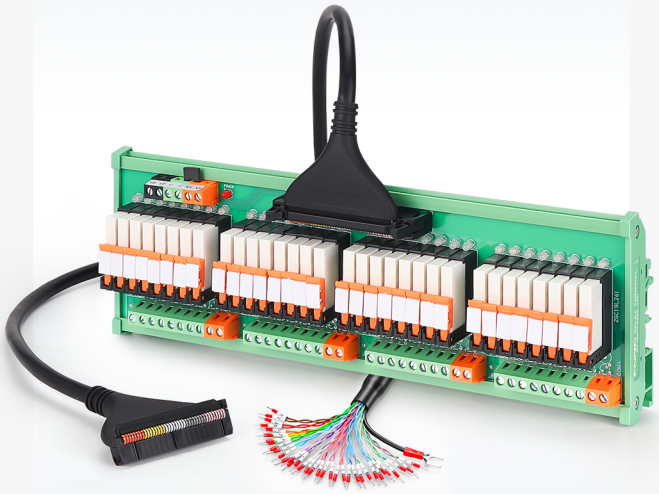
Contact structure	Contact material	Coil power
1NO/1NC	AgSnO²	DC5V、12V、24V、60V



Relay Module

Highly integrated PLC control

32-channel output（Customizable channel count）

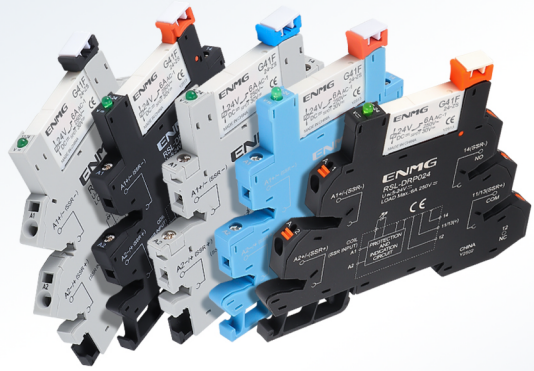


Thin-Film Kit

Plug-in type / Screw type / Push-pull type

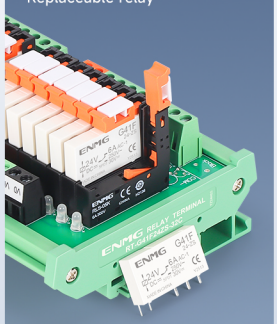
Merely 6.25mm thick

Multi-color options



Plug-and-Play

Replaceable relay



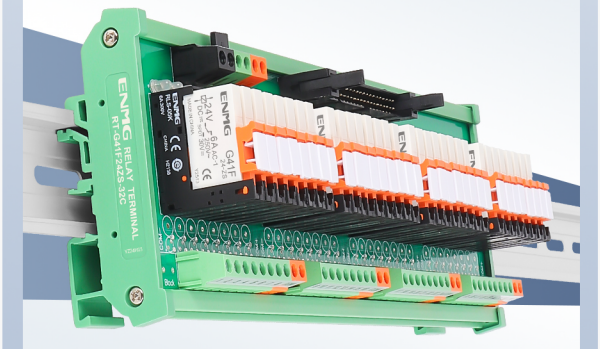
NPN/PNP Universal

Dual-color status indicator

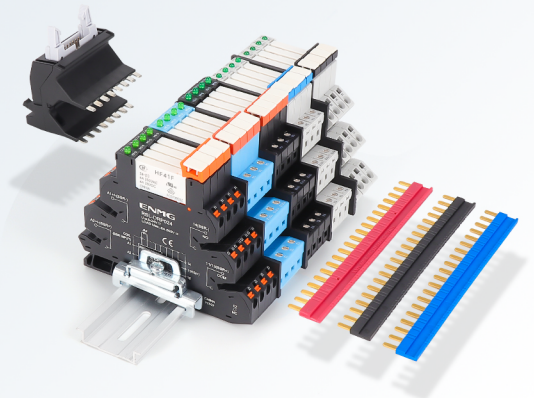


Install Surge Suppression Components

DC freewheeling protection diode、AC overvoltage protection varistor



Complete Accessories



Authoritative Certification

*As per label.

OEM/ODM

Customization

* 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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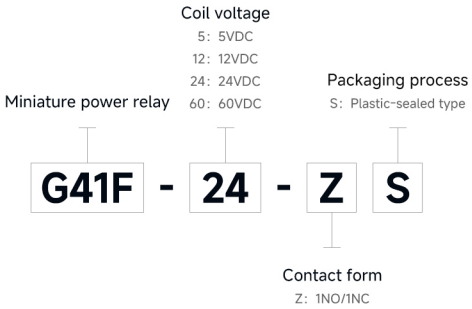
Product Information.

- Product brand : ENMG 恩爵
- Product name : G41F chip relay
- Contact structure : 5 pins / 1NO1NC
- Load capacity : 6A DC30V / AC250V
- Maximum switching : 6A DC125V / AC400V Power 1500VA/180W
- Rated voltage : DC：5V、12V、24V、60V
- Power consumption : DC5V、12V、24V≈170mW，DC60V≈210mW
- Isolation withstand voltage : 4KV
- Contact resistance : ≤ 100mΩ（1A 6VDC）
- Service life : Mechanical ＞10 million times，Electrical NO ＞30,000 times、NC ＞10,000 times
- Operating time : ＜8ms
- Reset time : ＜4ms
- Ambient temperature : -40°C~+70°C No condensation and no icing
- Ambient humidity : 5% ~ 85%RH

Relay Selection.

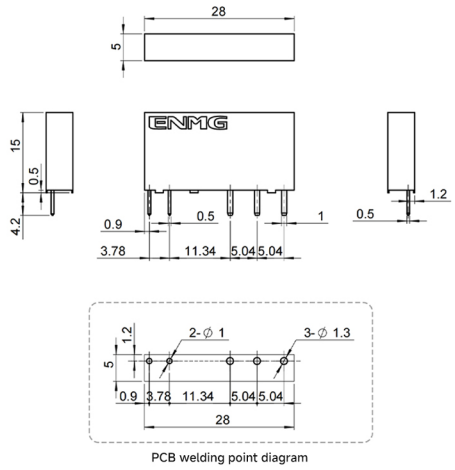
Model Description

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.



Overall Dimension

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



PCB welding point diagram

Kit Selection.

Kit Selection Table

Coil voltage	Terminal form	Base color	Model
5VDC	Screw type	Black	G41F-5-ZS + RSL-DRS024Black
		Blue	G41F-5-ZS + RSL-DRS024Blue
		Gray	G41F-5-ZS + RSL-DRG024
	Plug-in type	Black	G41F-5-ZS + RSL-DRP024
	Push-pull type	Gray	G41F-5-ZS + RSL-DRM024
12VDC	Screw type	Black	G41F-12-ZS + RSL-DRS024Black
		Blue	G41F-12-ZS + RSL-DRS024Blue
		Gray	G41F-12-ZS + RSL-DRG024
	Plug-in type	Black	G41F-12-ZS + RSL-DRP024
	Push-pull type	Gray	G41F-12-ZS + RSL-DRM024

Coil voltage	Terminal form	Base color	Model
24VDC	Screw type	Black	G41F-24-ZS + RSL-DRS024Black
		Blue	G41F-24-ZS + RSL-DRS024Blue
		Gray	G41F-24-ZS + RSL-DRG024
	Plug-in type	Black	G41F-24-ZS + RSL-DRP024
	Push-pull type	Gray	G41F-24-ZS + RSL-DRM024
60VDC	Screw type	Black	G41F-60-ZS + RSL-DRS024Black
		Blue	G41F-60-ZS + RSL-DRS024Blue
		Gray	G41F-60-ZS + RSL-DRG024
	Plug-in type	Black	G41F-60-ZS + RSL-DRP024
	Push-pull type	Gray	G41F-60-ZS + RSL-DRM024

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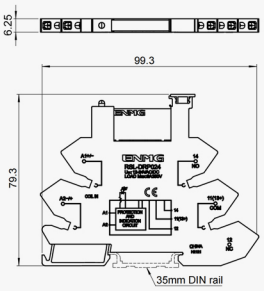
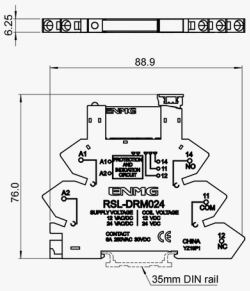
Overall Dimension

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

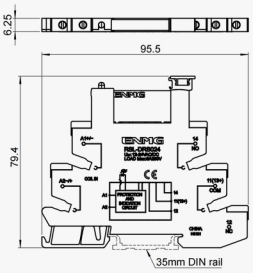
RSL-DRP024 Plug-in



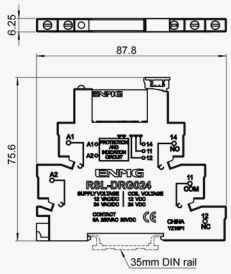
RSL-DRM024 Push-pull



RSL-DRS024 Screw



RSL-DRG024 Screw



Module Selection.

Model Description

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Built-in relay
Electromagnetic relay G41F
(See technical docs)

Input circuit polarity
None: Dual-purpose
N: COM+ (NPN)
P: COM- (PNP)

Customized code

RT - G41F* - 04 N S - ***

Relay module

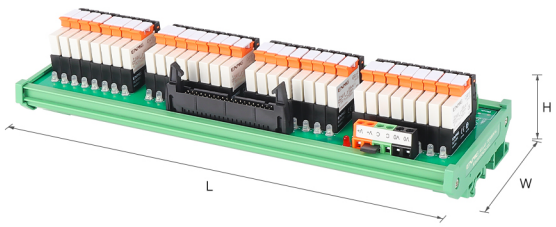
Output circuit
04: 4-channel
08: 8-channel
16: 16-channel
32: 32-channel

Input terminal type
S: Screw terminal
C: MIL connector

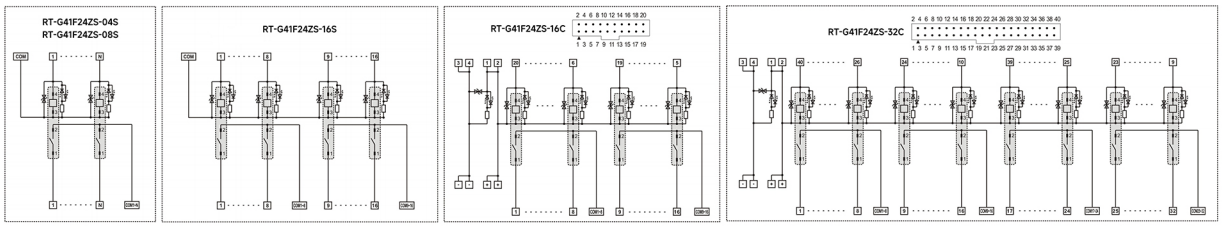
Kit Selection Table

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

Input circuit	Output circuit	L×W×Hmm	Point count	Model
Dual-purpose COM+/- NPN/PNP 5VDC 12VDC 24VDC 60VDC	6A 30VDC/250VAC 4 points use one COM	42×87×60	4	RT-G41F24ZS-04S
	6A 30VDC/250VAC 8 points use one COM	72×87×60	8	RT-G41F24ZS-08S
		132×87×60	16	RT-G41F24ZS-16S
		132×87×60	16	RT-G41F24ZS-16C
		252×87×60	32	RT-G41F24ZS-32C



Internal Schematic Diagram



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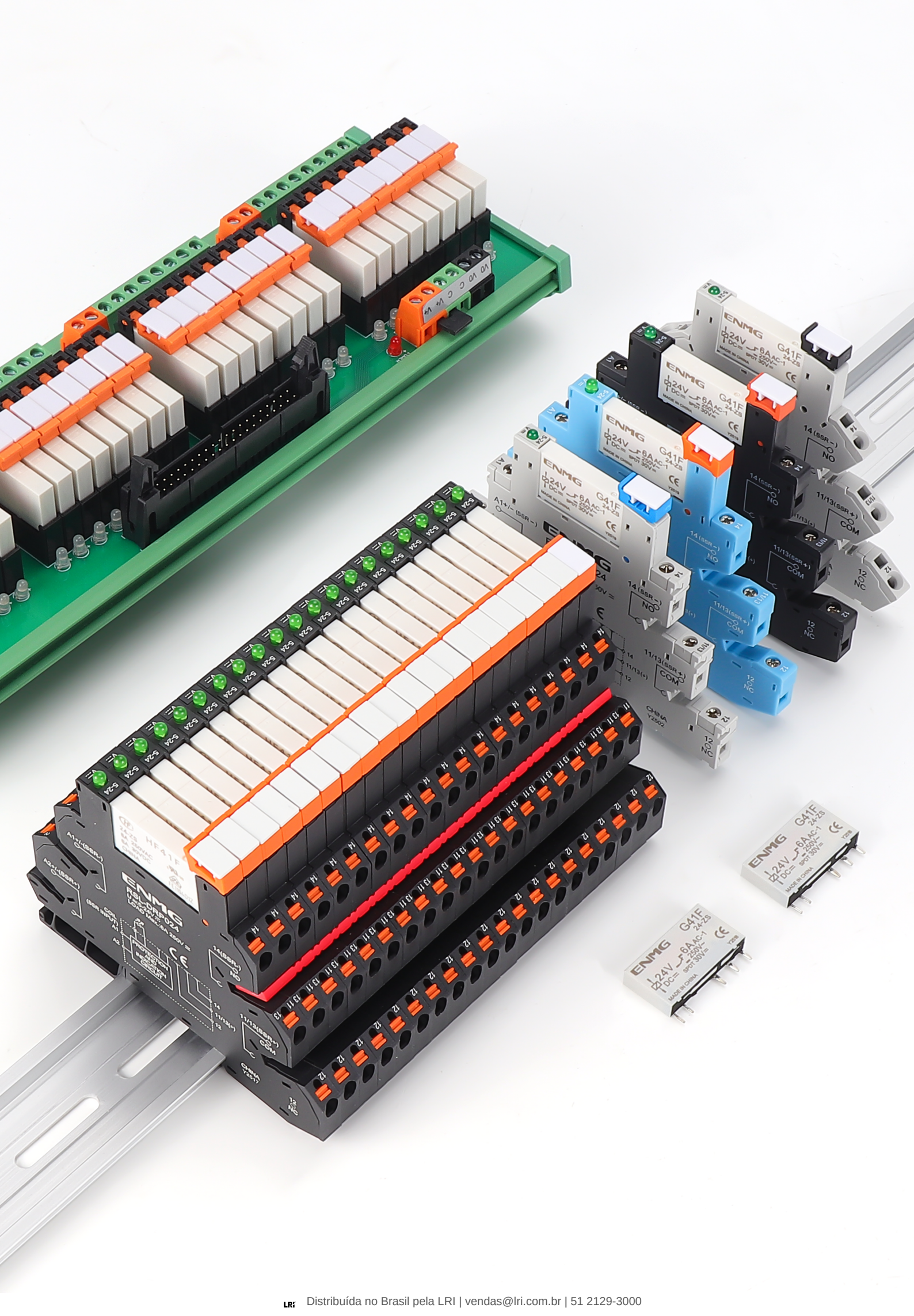
ENMG
G41F
24-Zs
6A AC-1
250V~
SPDT 30V=
MADE IN CHINA
14(SSR-)
NO
11/13(SSR+)
COM
12
NC

ENMG 恩爵

Started in 2012, exploring the frontier, leading innovation, self-transformation, the world of ideas.

始于2012年，探索前沿 、 创新引领 、 自我蜕变 、 理念世界。

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公司地址 Address： 浙江省乐清市柳市镇柳江路3788号

联系方式 Telephones： 400-996-2708

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