



Delight Through Connections

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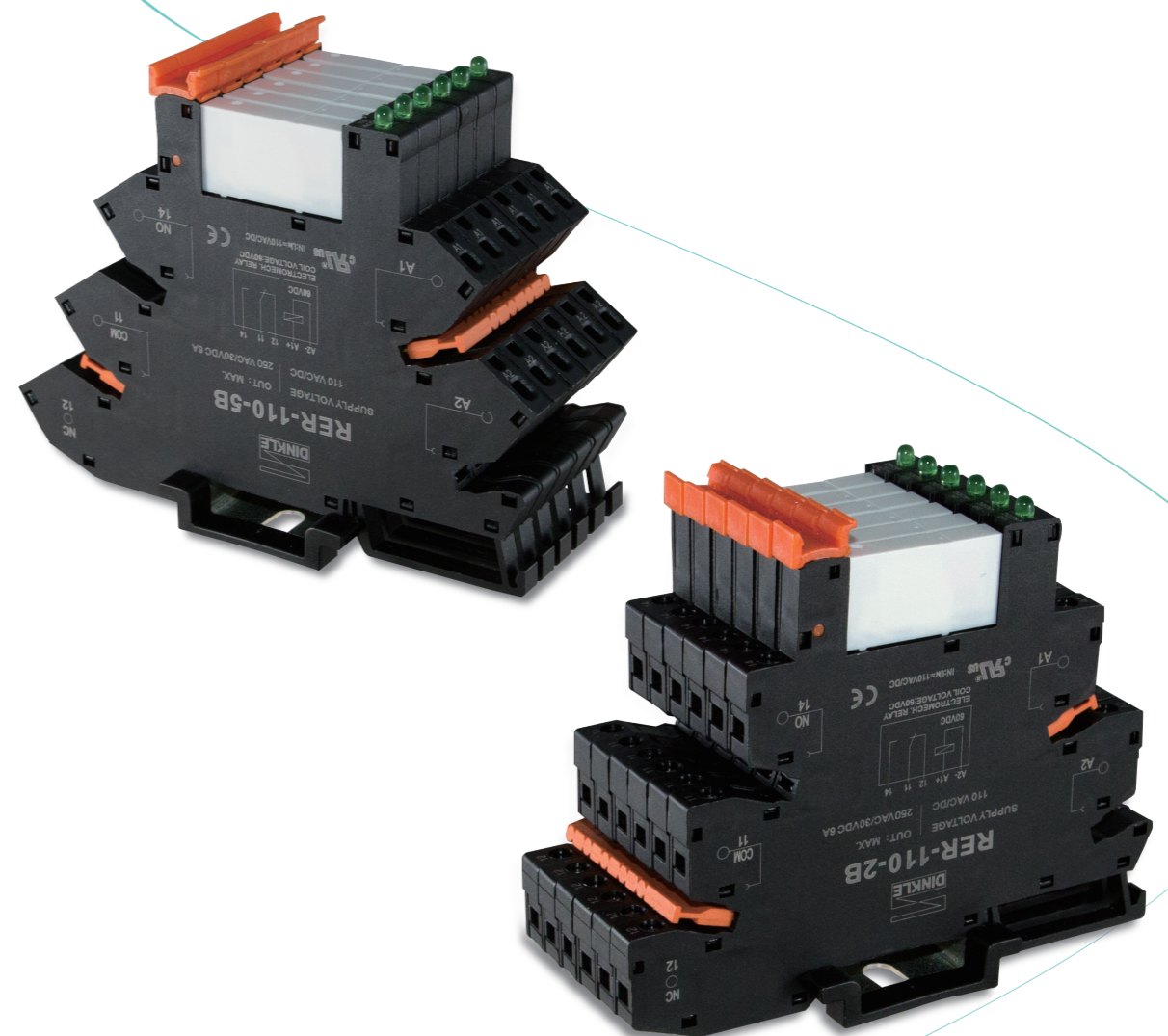
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The catalogue is for reference only. The final product is made according to actual  
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APR./2019

# Slim Relay



町洋國際股份有限公司  
DINKLE INTERNATIONAL CO., LTD.

XC-19.1



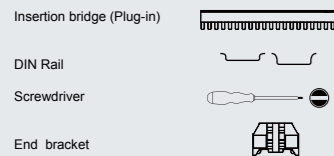
The slim relay adopts spring clamp connection, which has excellent resistance to vibration, input voltage from 24V, 110V, 230V; ideal for PLC, robotic arm, CNC and etc. The slim relay is designed with circuit protection, offering a safer operation condition for the user.

Only 6.2mm in thickness, the design helps to improve the efficiency in the use of cabinet space.

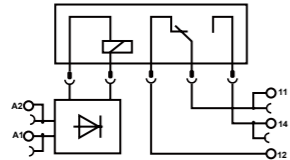
- Easy replacement of relay
- Compact 6.2mm design
- Surge protection design
- Quick and ease wiring
- Status LED indicator



#### Spring clamp connection



RER-24-4A



#### Technical Data

##### Input Data

Rated voltage	24 VAC / VDC
Rated current	11.1 mA
Typical response time	≤ 8 ms
Typical release time	≤ 4 ms

Protective circuit	Bridge rectifier Surge protection
Status indicator	(Green) LED

##### Contact

Contact form	1C
Contact rating (Res. load)	6A, 250 VAC / 30 VDC
Max. switching voltage	400 VAC / 125 VDC
Max. switching current	6 A
Contact resistance	≤ 100 mΩ (1A, 6 VDC)
Mechanical endurance	1 x 10 <sup>7</sup> cycles
Electrical endurance	3 x 10 <sup>4</sup> cycles, NO 1 x 10 <sup>4</sup> cycles, NC

##### General

Dielectric strength	Coil & contacts	4000 VAC / 1 min
	Open contacts	1000 VAC / 1 min
Shock resistance	Functional	49 m/s <sup>2</sup>
	Destructive	980 m/s <sup>2</sup>

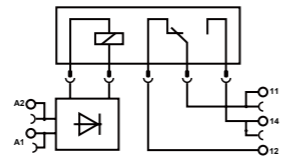
Dimensions T x W x H (mm)	6.2 x 78.8 x 103
Wire range (AWG / mm <sup>2</sup> )	20-16 / 0.5-1.5
Connection method	Spring clamp
Rated torque (N-m)	-

##### Accessories Part No.

0149-4S-20
TS-35   TS-35/15
0.4 x 2.5 mm
SS4N



RER-110-5B



#### Technical Data

##### Input Data

Rated voltage	110 VAC / VDC
Rated current	3.4 mA
Typical response time	≤ 8 ms
Typical release time	≤ 4 ms

Protective circuit	Bridge rectifier
Status indicator	(Green) LED

##### Contact

Contact form	1C
Contact rating (Res. load)	6A, 250 VAC / 30 VDC
Max. switching voltage	400 VAC / 125 VDC
Max. switching current	6 A
Contact resistance	≤ 100 mΩ (1A, 6 VDC)
Mechanical endurance	1 x 10 <sup>7</sup> cycles
Electrical endurance	3 x 10 <sup>4</sup> cycles, NO 1 x 10 <sup>4</sup> cycles, NC

##### General

Dielectric strength	Coil & contacts	4000 VAC / 1 min
	Open contacts	1000 VAC / 1 min
Shock resistance	Functional	49 m/s <sup>2</sup>
	Destructive	980 m/s <sup>2</sup>

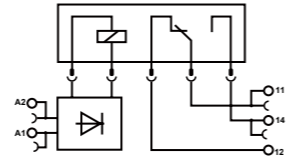
Dimensions T x W x H (mm)	6.2 x 78.8 x 103
Wire range (AWG / mm <sup>2</sup> )	20-16 / 0.5-1.5
Connection method	Spring clamp
Rated torque (N-m)	-

##### Accessories Part No.

0149-4S-20
TS-35   TS-35/15
0.4 x 2.5 mm
SS4N



RER-230-6B



#### Technical Data

##### Input Data

Rated voltage	230 VAC / VDC
Rated current	3.7 mA
Typical response time	≤ 8 ms
Typical release time	≤ 4 ms

Protective circuit	Bridge rectifier
Status indicator	(Green) LED

##### Contact

Contact form	1C
Contact rating (Res. load)	6A, 250 VAC / 30 VDC
Max. switching voltage	400 VAC / 125 VDC
Max. switching current	6 A
Contact resistance	≤ 100 mΩ (1A, 6 VDC)
Mechanical endurance	1 x 10 <sup>7</sup> cycles
Electrical endurance	3 x 10 <sup>4</sup> cycles, NO 1 x 10 <sup>4</sup> cycles, NC

##### General

Dielectric strength	Coil & contacts	4000 VAC / 1 min
	Open contacts	1000 VAC / 1 min
Shock resistance	Functional	49 m/s <sup>2</sup>
	Destructive	980 m/s <sup>2</sup>

Dimensions T x W x H (mm)	6.2 x 78.8 x 103
Wire range (AWG / mm <sup>2</sup> )	20-16 / 0.5-1.5
Connection method	Spring clamp
Rated torque (N-m)	-

##### Accessories Part No.

0149-4S-20
TS-35   TS-35/15
0.4 x 2.5 mm
SS4N

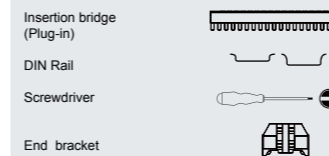


The slim relay adopts screw connection, which has excellent wiring strength, multi-voltage input from 24V, 110V, 230V; ideal for PLC controller, robotic arm, CNC equipment, interface control platform and other industrial control application. The slim relay is designed with circuit protection, offering a safer operation condition for the user. Only 6.2mm in thickness, the design helps to improve the efficiency in the use of cabinet space..

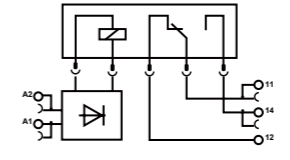
- Easy replacement of relay with the push the lever
- Multi-voltage input from 24V to 230V
- Compact 6.2mm design
- Status LED indicator
- Surge protection design



#### Screw connection



RER-24-1A



#### Technical Data

##### Input Data

Rated voltage	24 VAC / VDC
Rated current	11.1 mA
Typical response time	≤ 8 ms
Typical release time	≤ 4 ms

Protective circuit	Bridge rectifier Surge protection
Status indicator	(Green) LED

##### Contact

Contact form	1C
Contact rating (Res. load)	6A, 250 VAC / 30 VDC
Max. switching voltage	400 VAC / 125 VDC
Max. switching current	6 A
Contact resistance	≤ 100 mΩ (1A, 6 VDC)
Mechanical endurance	1 x 10 <sup>7</sup> cycles
Electrical endurance	3 x 10 <sup>4</sup> cycles, NO 1 x 10 <sup>4</sup> cycles, NC

##### General

Dielectric strength	Coil & contacts	4000 VAC / 1 min
	Open contacts	1000 VAC / 1 min
Shock resistance	Functional	49 m/s <sup>2</sup>
	Destructive	980 m/s <sup>2</sup>

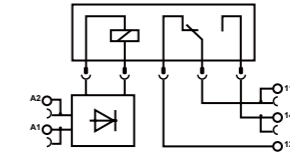
Dimensions T x W x H (mm)	6.2 x 78.8 x 96
Wire range (AWG / mm <sup>2</sup> )	20-16 / 0.5-1.5
Connection method	Screw
Rated torque (N-m)	0.5

##### Accessories Part No.

0149-4S-20
TS-35   TS-35/15
0.4 x 2.5 mm
SS4N



RER-110-2B



#### Technical Data

##### Input Data

Rated voltage	110 VAC / VDC
Rated current	3.4 mA
Typical response time	≤ 8 ms
Typical release time	≤ 4 ms

Protective circuit	Bridge rectifier
Status indicator	(Green) LED

##### Contact

Contact form	1C
Contact rating (Res. load)	6A, 250 VAC / 30 VDC
Max. switching voltage	400 VAC / 125 VDC
Max. switching current	6 A
Contact resistance	≤ 100 mΩ (1A, 6 VDC)
Mechanical endurance	1 x 10 <sup>7</sup> cycles
Electrical endurance	3 x 10 <sup>4</sup> cycles, NO 1 x 10 <sup>4</sup> cycles, NC

##### General

Dielectric strength	Coil & contacts	4000 VAC / 1 min
	Open contacts	1000 VAC / 1 min
Shock resistance	Functional	49 m/s <sup>2</sup>
	Destructive	980 m/s <sup>2</sup>

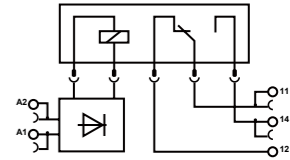
Dimensions T x W x H (mm)	6.2 x 78.8 x 96
Wire range (AWG / mm <sup>2</sup> )	20-16 / 0.5-1.5
Connection method	Screw
Rated torque (N-m)	0.5

##### Accessories Part No.

0149-4S-20
TS-35   TS-35/15
0.4 x 2.5 mm
SS4N



RER-230-3B



#### Technical Data

##### Input Data

Rated voltage	230 VAC / VDC
Rated current	3.7 mA
Typical response time	≤ 8 ms
Typical release time	≤ 4 ms

Protective circuit	Bridge rectifier
Status indicator	(Green) LED

##### Contact

Contact form	1C
Contact rating (Res. load)	6A, 250 VAC / 30 VDC
Max. switching voltage	400 VAC / 125 VDC
Max. switching current	6 A
Contact resistance	≤ 100 mΩ (1A, 6 VDC)
Mechanical endurance	1 x 10 <sup>7</sup> cycles
Electrical endurance	3 x 10 <sup>4</sup> cycles, NO 1 x 10 <sup>4</sup> cycles, NC

##### General

Dielectric strength	Coil & contacts	4000 VAC / 1 min
	Open contacts	1000 VAC / 1 min
Shock resistance	Functional	49 m/s <sup>2</sup>
	Destructive	980 m/s <sup>2</sup>

Dimensions T x W x H (mm)	6.2 x 78.8 x 96
Wire range (AWG / mm <sup>2</sup> )	20-16 / 0.5-1.5
Connection method	Screw
Rated torque (N-m)	0.5

##### Accessories Part No.

0149-4S-20
TS-35   TS-35/15
0.4 x 2.5 mm
SS4N