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APR./2019







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 efficency in the use of cabinet space.

- · Easy replacement of relay
- · Compact 6.2mm design
- Surge protection design
- · Quick and ease wiring





Spring clamp connection

| Insertion bridge (Plug-in) | |
|----------------------------|--|
| DIN Rail | |
| Screwdriver | |
| End bracket | |



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Accessories Part No.

0149-4S-20

TS-35 | TS-35/15

0.4 x 2.5 mm

SS4N

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RER-110-5B

RER-230-6B

Accessories Part No.

0149-4S-20

TS-35 | TS-35/15

0.4 x 2.5 mm

SS4N

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| Technical Data | | | Technical Data | | | Technical Data | | |
|--|-----------------|--|-------------------------------------|-----------------|--|-------------------------------------|-----------------|--|
| Input Data | | Input Data | | Input Data | | | | |
| Rated voltage 24 VAC / VDC | | Rated voltage | | 110 VAC / VDC | Rated voltage | | 230 VAC / VDC | |
| Rated curre | ent | 11.1 mA | Rated curre | ent | 3.4 mA | Rated current | | 3.7 mA |
| Typical resp | oonse time | ≦ 8 ms | Typical resp | oonse time | ≦ 8 ms | Typical response time | | ≦ 8 ms |
| Typical rele | ase time | \leq 4 ms | Typical rele | ase time | \leq 4 ms | Typical release time | | \leq 4 ms |
| Protective | circuit | Bridge rectifier Surge protection | Protective | circuit | Bridge rectifier | Protective circuit | | Bridge rectifier |
| Status indi | cator | (Green) LED | Status indi | cator | (Green) LED | Status indic | cator | (Green) LED |
| Contact | Contact | | Contact | | Contact | | | |
| Contact for | m | 1C | Contact for | m | 1C | Contact form | | 1C |
| Contact rat | ing (Res. load) | 6 A, 250 VAC / 30 VDC | Contact rat | ing (Res. load) | 6 A, 250 VAC / 30 VDC | Contact rat | ing (Res. load) | 6 A, 250 VAC / 30 VDC |
| Max. switcl | hing voltage | 400 VAC / 125 VDC | Max. switch | ning voltage | 400 VAC / 125 VDC | Max. switch | ning voltage | 400 VAC / 125 VDC |
| Max. switcl | hing current | 6 A | Max. switch | ning current | 6 A | Max. switch | ning current | 6 A |
| Contact res | sistance | ≦ 100 mΩ (1 A, 6 VDC) | Contact res | sistance | ≦ 100 mΩ (1 A, 6 VDC) | Contact resistance | | ≦ 100 mΩ (1 A, 6 VDC) |
| Mechanica | l endurance | 1 x 10 ⁷ cycles | Mechanica | l endurance | 1 x 10 ⁷ cycles | Mechanical endurance | | 1 x 10 ⁷ cycles |
| Electrical e | ndurance | 3 x 10 ⁴ cycles,NO 1 x 10 ⁴ cycles,NC | Electrical e | ndurance | 3 x 10 ⁴ cycles,NO 1 x 10 ⁴ cycles,NC | Electrical endurance | | 3 x 10 ⁴ cycles,NO 1 x 10 ⁴ cycles,NC |
| General | | General | | General | | | | |
| Dielectric | Coil & contacts | 4000 VAC / 1 min | Dielectric strength | Coil & contacts | 4000 VAC / 1 min | Dielectric strength | Coil & contacts | 4000 VAC / 1 min |
| strength | Open contacts | 1000 VAC / 1 min | | Open contacts | 1000 VAC / 1 min | | Open contacts | 1000 VAC / 1 min |
| Shock | Functional | 49 m/s ² | Shock resistance | Functional | 49 m/s ² | Shock resistance | Functional | 49 m/s ² |
| resistance | Destructive | 980 m/s ² | | Destructive | 980 m/s ² | | Destructive | 980 m/s ² |
| Dimensions T x W x H (mm) | | 6.2 x 78.8 x 103 | Dimensions T x W x H (mm) | | 6.2 x 78.8 x 103 | Dimensions T x W x H (mm) | | 6.2 x 78.8 x 103 |
| Wire range (AWG / mm ²) 20-16 / 0.5-1. | | 20-16 / 0.5-1.5 | Wire range (AWG / mm ²) | | 20-16 / 0.5-1.5 | Wire range (AWG / mm ²) | | 20-16 / 0.5-1.5 |
| Connection method Spring clamp | | Spring clamp | Connection method | | Spring clamp | Connection method | | Spring clamp |
| Rated torque (N-m) - | | - | Rated torque (N-m) | | - | Rated torque (N-m) | | - |
| | | | | | 1 | | | 1 |

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

| Insertion bridge (Plug-in) | |
|-------------------------------|---|
| DIN Rail | |
| Screwdriver | |
| End bracket | Æ |



RER-24-1A



Technical Data

Input Data

| Rated volta | ige | 24 VAC / VDC | | |
|-------------------------|--------------------------|--|--|--|
| Rated curre | ent | 11.1 mA | | |
| Typical resp | oonse time | ≦ 8 ms | | |
| Typical rele | ase time | \leq 4 ms | | |
| Protective | circuit | Bridge rectifier Surge protection | | |
| Status indic | cator | (Green) LED | | |
| Contact | : | | | |
| Contact for | m | 1C | | |
| Contact rat | ing (Res. load) | 6 A, 250 VAC / 30 VDC | | |
| Max. switch | ning voltage | 400 VAC / 125 VDC | | |
| Max. switch | ning current | 6 A | | |
| Contact res | sistance | ≦ 100 mΩ (1 A, 6 VDC) | | |
| Mechanica | l endurance | 1 x 10 ⁷ cycles | | |
| Electrical e | ndurance | 3 x 10 ⁴ cycles,NO 1 x 10 ⁴ cycles,NC | | |
| General | | | | |
| Dielectric | Coil & contacts | 4000 VAC / 1 min | | |
| strength | Open contacts | 1000 VAC / 1 min | | |
| Shock | Functional | 49 m/s ² | | |
| resistance | Destructive | 980 m/s ² | | |
| Dimensions T x W x H | - | 6.2 x 78.8 x 96 | | |
| Wire range | (AWG / mm ²) | 20-16 / 0.5-1.5 | | |
| Connection | method | Screw | | |
| Rated torque (N-m) | | 0.5 | | |
| Access | ories Part I | No. | | |
| | 0149-4S | -20 | | |
| | TS-35 TS- | 35/15 | | |
| | | | | |

0.4 x 2.5 mm

SS4N



RER-110-2B





RER-230-3B



| M . (E | Technical Data | | | Technical Data | | | |
|--|-------------------------------------|-----------------|--|-------------------------------------|-----------------|---|--|
| | Input Data | | | Input Data | | | |
| 24 VAC / VDC | Rated voltage | | 110 VAC / VDC | Rated voltage | | 230 VAC / VDC | |
| 11.1 mA | Rated current | | 3.4 mA | Rated current | | 3.7 mA | |
| \leq 8 ms | Typical response time | | ≦ 8 ms | Typical response time | | ≦ 8 ms | |
| \leq 4 ms | Typical release time | | \leq 4 ms | Typical release time | | ≦ 4 ms | |
| Bridge rectifier Surge protection | Protective | circuit | Bridge rectifier | Protective circuit | | Bridge rectifier | |
| (Green) LED | Status indi | cator | (Green) LED | Status indicator | | (Green) LED | |
| | Contact | : | · | Contact | | | |
| 1C | Contact form | | 1C | Contact form | | 1C | |
| A, 250 VAC / 30 VDC | Contact rating (Res. load) | | 6 A, 250 VAC / 30 VDC | Contact rating (Res. load) | | 6 A, 250 VAC / 30 VDC | |
| 00 VAC / 125 VDC | | | 400 VAC / 125 VDC | Max. switching voltage | | 400 VAC / 125 VDC | |
| 6 A | Max. switching current | | 6 A | Max. switching current | | 6 A | |
| $ \leq 100 \text{ m}\Omega $ (1 A, 6 VDC) | Contact resistance | | ≦ 100 mΩ (1 A, 6 VDC) | Contact resistance | | $ \leq 100 \mathrm{m}\Omega \\ (1 \mathrm{A}, 6 \mathrm{VDC}) $ | |
| 1 x 10 ⁷ cycles | Mechanical endurance | | 1 x 10 ⁷ cycles | Mechanical endurance | | 1 x 10 ⁷ cycles | |
| x 10 ⁴ cycles,NO I x 10 ⁴ cycles,NC | Electrical e | ndurance | 3 x 10 ⁴ cycles,NO 1 x 10 ⁴ cycles,NC | Electrical endurance | | 3 x 10 ⁴ cycles,NO 1 x 10 ⁴ cycles,NC | |
| | General | | | General | | | |
| 000 VAC / 1 min | Dielectric | Coil & contacts | 4000 VAC / 1 min | Dielectric | Coil & contacts | 4000 VAC / 1 min | |
| 000 VAC / 1 min | strength | Open contacts | 1000 VAC / 1 min | strength | Open contacts | 1000 VAC / 1 min | |
| 49 m/s ² | Shock | Functional | 49 m/s ² | Shock | Functional | 49 m/s ² | |
| 980 m/s ² | resistance | Destructive | 980 m/s ² | resistance | Destructive | 980 m/s ² | |
| 6.2 x 78.8 x 96 | Dimensions T x W x H (mm) | | 6.2 x 78.8 x 96 | Dimensions T x W x H (mm) | | 6.2 x 78.8 x 96 | |
| 20-16 / 0.5-1.5 | Wire range (AWG / mm ²) | | 20-16 / 0.5-1.5 | Wire range (AWG / mm ²) | | 20-16 / 0.5-1.5 | |
| Screw | Connection method | | Screw | Connection method | | Screw | |
| 0.5 | Rated torque (N-m) | | 0.5 | Rated torque (N-m) | | 0.5 | |
|). | Accessories Part No. | | Accessories Part No. | | | | |
|) | 0149-4S-20 | | | 0149-4S-20 | | | |
| /15 | | TS-35 TS- | -35/15 | TS-35 TS-35/15 | | | |
| n | | 0.4 x 2.5 | mm | 0.4 x 2.5 mm | | | |
| | SS4N | | | SS4N | | | |