



Relays & Solenoids

Plug-In Interface DC To DC Solid State Relays

Detailed product specifications are available on: us.100y.com.tw



FEATURES

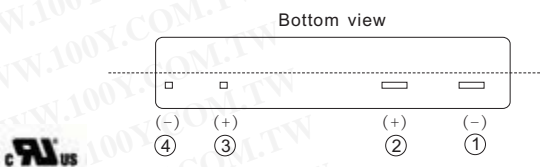
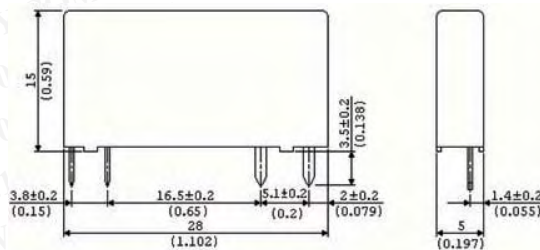
- Optically Isolated.
- Low On-State Resistance
- Low Input Power Consumption
- TTL and CMOS Compatible
- RC networks (VAC)
- MOSFET Output Thyristor (VDC)

APPLICATIONS

- Household Appliance
- Temperature Control System
- Industrial Automatic Control
- Lighting System
- Office Appliances
- Factory Appliances

GENERAL CHARACTERISTICS

| | |
|-----------------------------|-------------------------------------|
| Operating Temperature Range | -20°C to +80°C |
| Storage Temperature Range | -40°C to +100°C |
| Input-output isolation | 4KVrms, 1 minute (for input-output) |
| Maximum Soldering Heat | 220°C (10sec) |
| Weight | 4g |



| Part No. | Product No. | Manufacturer | Description | Vin | Irms | Vrms |
|----------|---------------|--------------|-----------------------|-------|------|-------|
| 34689 | ESR3D05D40050 | ECE | ECE_Solid State Relay | 5VDC | 4A | 24VDC |
| 37495 | ESR3D12D25100 | ECE | ECE_Solid State Relay | 12VDC | 2.5A | 48VDC |
| 37496 | ESR3D12D40050 | ECE | ECE_Solid State Relay | 12VDC | 4A | 24VDC |
| 34690 | ESR3D24D40050 | ECE | ECE_Solid State Relay | 24VDC | 4A | 24VDC |

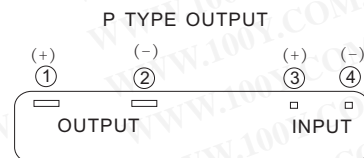
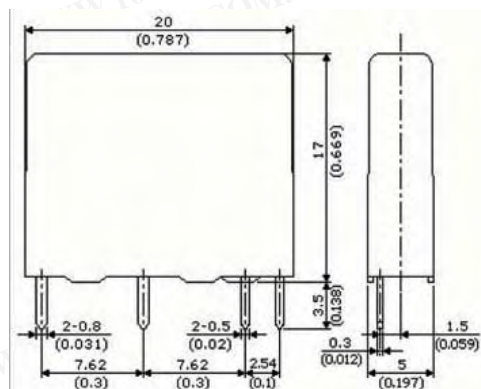


FEATURES

- Optically Isolated
- Ultra slim and light weight, SIL terminals type for high density mounting
- Size: 5(W)x20(L)x17(H)mm
- Weight: approximately 3.0g
- Low On-State Resistance
- Low Input Power Consumption
- TTL and CMOS Compatible
- MOSFET Output Thyristor (DC Output Only)

OUTPUT CIRCUIT

| | |
|--|------------------------------------|
| Operating Temperature Range | -20°C to +80°C |
| Storage Temperature Range | -25°C to +80°C |
| Dielectric strength (Between input & Output) | 3750Vrms, 60sec (for input-output) |
| Insulation Resistance | 1000MΩ, DC 500V (for input-output) |
| Max. Turn-on Time | 1ms |
| Max. Turn-off Time | 0.1ms |
| Operating Switching Frequency | 10Hz |
| Maximum Soldering Heat | 220°C (10sec) |
| Max. Load Current | 4A |
| Min. Load Current | 1mA |
| Nominal Load Voltage | 24VDC |



INPUT CIRCUIT

| DESCRIPTION | TYPES | ESR4 | | |
|-----------------------|-------|-----------|-----------|-----------|
| | | D05D40*00 | D12D40*00 | D24D40*00 |
| Nominal Voltage | | 5VDC | 12VDC | 24VDC |
| Control Voltage Range | | 3~10VDC | 7~20VDC | 18~32VDC |
| Control Current | | 12mA | 10mA | 7.7mA |
| Min. Turn-off Voltage | | | 1VDC | |
| Input Impedance | | 320Ω | 1070Ω | 3000Ω |

APPLICATIONS

- Temperature Control System
- Industrial Automatic Control
- Lighting System
- Office Appliances
- Factory Appliances

| Part No. | Product No. | Manufacturer | Description | Vin | Irms | Vrms | Switching Type |
|----------|---------------|--------------|-------------|-------|------|-------|------------------------|
| 34655 | ESR4D05D40000 | ECE | DC-DC SSR | 5Vdc | 4A | 24Vdc | No Built-in Zero Cross |
| 34656 | ESR4D12D40000 | ECE | DC-DC SSR | 12Vdc | 4A | 24Vdc | No Built-in Zero Cross |
| 37492 | ESR4D24D40000 | ECE | DC-DC SSR | 24Vdc | 4A | 24Vdc | No Built-in Zero Cross |

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