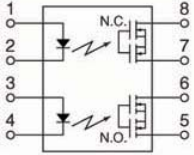
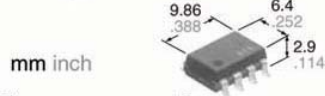
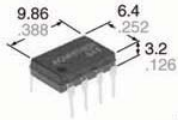




Relays & Solenoids

NAIS_PCB Relays

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



TYPICAL APPLICATIONS

- Power supply
- Measuring equipment

FEATURES

1. 60V type couples high capacity (0.5A) with low on-resistance (1Ω).

| Item | GU-E (1 Form A/1 Form B type) | |
|-------------------------|-------------------------------|----------|
| Part No. | AQW610EH | AQW612EH |
| Load voltage | 350V | 60V |
| Continuous load current | 0.12A | 0.5A |
| ON resistance (typ.) | 18Ω | 1Ω |

2. This is the PhotoMOS 1 Form A/1 Form B output type relay that has attained a low, economical price.

3. Reinforced insulation 5,000 V type

More than 0.4 mm internal insulation distance between inputs and outputs. Conforms to EN41003, EN60950 (reinforced insulation).

4. Compact 8-pin DIP size

The device comes in a compact (W) 6.4×(L)9.86×(H)3.2 mm (W). 252×(L).388×(H).126 inch, 8-pin DIP size (through hole terminal type).

5. Applicable for 1 Form A 1 Form B use as well as two independent 1 Form A and 1 Form B use

6. Controls low-level analog signals

PhotoMOS relays feature extremely low closed-circuit offset voltage to enable control of low-level analog signals without distortion.

7. High sensitivity, high speed response.

Can control a maximum 0.14 A load current with a 5 mA input current. Fast operation speed of 0.5ms (typ.) [N.O.]. (AQW610EH)

8. Low-level off-state leakage current

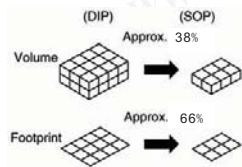
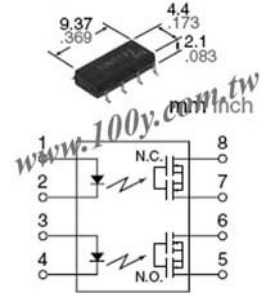
- Security equipment
- Modem

- Telephone equipment
- Electricity, plant equipment

- Sensors



| Part No. | Product No. | Manufacturer | Description | Contact Arrangement | Contact Rating | Coil Voltage | Recognized Safety | Outline L*W*H | Type |
|----------|-------------|--------------|--------------------------|---------------------|----------------|--------------|---------------------|--------------------------|----------|
| 47347 | AQW610EH | NAIS | NAIS_GU-E PhotoMOS RELAY | 1 Form A/1 Form B | 350 V / 120 mA | 350V | UL(E43149),C-UL,BSI | (W)6.4×(L)9.86×(H)3.2 mm | AQW610EH |
| 47345 | AQW612EH | NAIS | NAIS_GU-E PhotoMOS RELAY | 1 Form A/1 Form B | 60 V / 500 mA | 60V | UL(E43149),C-UL,BSI | (W)6.4×(L)9.86×(H)3.2 mm | AQW612EH |
| 47349 | AQW614EH | NAIS | NAIS_GU-E PhotoMOS RELAY | 1 Form A/1 Form B | 400 V / 100mA | 400V | UL(E43149),C-UL,BSI | (W)6.4×(L)9.86×(H)3.2 mm | AQW614EH |



FEATURES

1. 60V type couples high capacity (0.45A) with low on-resistance (1Ω).

| Item | GU-E (1 Form A/1 Form B type) | |
|-------------------------|-------------------------------|---------|
| Part No. | AQW610S | AQW612S |
| Load voltage | 350V | 60V |
| Continuous load current | 0.1A | 0.45A |
| ON resistance (typ.) | 18Ω | 1Ω |

2. 2 channels in super miniature design

The device comes in a super-miniature SO package measuring (W) 4.4 × (L) 9.37 × (H) 2.1 mm (W) .173 × (L) .369 × (H) .083 inch —approx. 38% of the volume and 66% of the footprint size of DIP type PhotoMOS relays.

3. Tape and reel

The device comes standard in a tape and reel (1,000 pcs./reel) to facilitate automatic insertion machines.

Applicable for 1 Form A 1 Form B use as well as two independent 1 Form A and 1 Form B use

Controls low-level analog signals

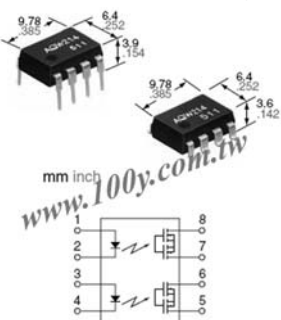
PhotoMOS relays feature extremely low closed-circuit offset voltage to enable control of low-level analog signals without distortion.

TYPICAL APPLICATIONS

- Power supply
- Measuring equipment
- Security equipment
- Telephone equipment
- Computer input machine
- Industrial robots
- High-speed inspection machines



| Part No. | Product No. | Manufacturer | Description | Contact Arrangement | Contact Rating | Coil Voltage | Recognized Safety | Outline L*W*H | Type |
|----------|-------------|--------------|------------------------|---------------------|----------------|--------------|----------------------|--------------------------------|---------|
| 47253 | AQW610S | NAIS | NAIS_GU PhotoMOS Relay | 1Form A/1Form B | 350V / 100mA | 350V | UL(E43149),C-UL,BSI | (W) 4.4 ×(L) 9.37 × (H) 2.1 mm | AQW610S |
| 47252 | AQW612S | NAIS | NAIS_GU PhotoMOS Relay | 1Form A/1Form B | 60V / 450mA | 60V | UL(E43149),C-UL ,BSI | (W) 4.4 ×(L) 9.37 × (H) 2.1 mm | AQW612S |



FEATURES

1. Approx. 1/2 the space compared with the mounting of a set of 1 Form A and 1 Form B photoMOS relays

2. Applicable for 1 Form A 1 Form B use as well as two independent 1 Form A and 1 Form B use

3. Low thermal electromotive force (Approx. 1 μV)

4. Eliminates the need for a counter electromotive force protection diode in the drive circuits on the input side

5. Controls load currents up to 0.13 A with an input current of 5 mA with load voltage of 400 V

6. High speed switching: operate time of 300 μs typical.

7. Eliminates the need for a power supply to drive the power MOSFET

8. Extremely low closed-circuit offset voltages to enable control of small analog signals without distortion (Typical 100 pA at 400 V)

9. Stable on resistance

TYPICAL APPLICATIONS

- High-speed inspection machines
- Telephone equipment
- Computer



| Part No. | Product No. | Manufacturer | Description | Contact Arrangement | Contact Rating | Coil Voltage | Recognized Safety | Type |
|----------|-------------|--------------|------------------------|---------------------|----------------|--------------|-------------------|--------|
| 47254 | AQW614 | NAIS | NAIS_GU PhotoMOS Relay | (1Form A/1Form B) | 400V / 100mA | 400V | UL(E43149),C-UL | AQW614 |

- If you cannot find the components you want on the catalogue, please call us.



Taiwan: 886-3-5753170

Shanghai: 021-54151736 Shenzhen: 0755-83298787

Centenary Materials

Waiting for your phone call



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