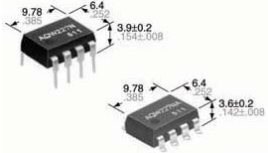




Relays & Solenoids

NAIS_PCB Relays

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



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

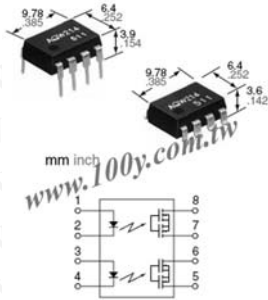
TYPICAL APPLICATIONS

- High-speed inspection machines
- Data communication equipment
- Telephone equipment



mm inch

Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47385	AQW254	NAIS	NAIS_HE PhotoMOS RELAY	2 Form A	400V / 120 mA	400V	UL(E43149),C-UL	(W)6.4×(L)9.78×(H)3.9 mm	AQW254



FEATURES

1. Approx. 1/2 the space compared with the mounting of Two 1 Form B photo MOS units

2. Applicable for 2 Form B use as well as two independent 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

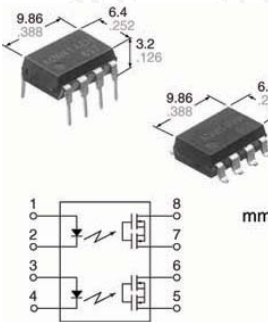
6. High speed switching: operate time typical of 300 μs
7. Eliminates the need for a power supply to drive the power MOSFET
8. Extremely low closed-circuit offset voltages to enable control of small analog signals without distortion
9. Surface-mount model available

TYPICAL APPLICATIONS

- High-speed inspection machines
- Telephone equipment
- Computer



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
47249	AQW414	NAIS	NAIS_GU PhotoMOS Relay	2 Form B	400V / 100mA	400V	UL(E43149),C-UL	AQW414



FEATURES

1. Reinforced insulation 5,000 V type
More than 0.4 mm internal insulation distance between inputs and outputs. Con-forms to EN41003, EN60950 (reinforced insulation).
2. 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).
3. Applicable for 2 Form B use as well as two independent 1 Form B use
4. Controls low-level analog signals
PhotoMOS relays feature extremely low closed-circuit offset voltage to enable control of low-level analog signals without distortion.
5. High sensitivity, high speed response.
Can control a maximum 0.13 A load current with a 5 mA input current. Fast operation speed of 0.8 ms (typical).

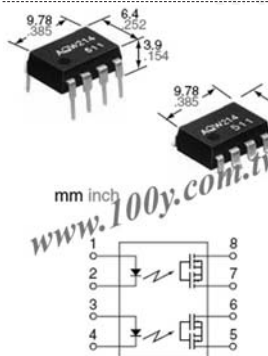
6. Low-level off state leakage current

TYPICAL APPLICATIONS

- Modem
- Telephone equipment
- Security equipment
- Sensors



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47344	AQW414EH	NAIS	NAIS_GU-E PhotoMOS RELAY	2 Form B	400V / 100mA	400V	UL(E43149),C-UL,BSI	(W)6.4×(L)9.86×(H)3.2 mm	AQW414EH



FEATURES

1. Compact 8-pin DIP size
The device comes in a compact (W)6.4×(L)9.78×(H)3.9 mm (W).252×(L).385×(H).154 inch, 8-pin DIP size (through hole terminal type).
2. Applicable for 2 Form B use as well as two independent 1 Form B use.
3. Controls low-level analog signals
PhotoMOS relays feature extremely low closed-circuit offset voltage to enable control of low-level analog signals without distortion.
4. High sensitivity, low ON resistance
Can control a maximum 0.16 A (AQW454) load current with a 5 mA input current. Low ON resistance of 16 Ω (AQW454). Stable operation because there are no metallic contact parts.

5. Low-level off state leakage current

The SSR has an off state leakage current of several milliamperes, whereas the PhotoMOS relay has typ. 100 pA even with the rated load voltage of 400 V (AQW454).

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

TYPICAL APPLICATIONS

- Security equipment
- High-speed inspection machine
- Measuring equipment
- Telecommunication equipment
- Sensors



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47394	AQW454	NAIS	NAIS_HE PhotoMOS RELAY	2 Form B	400V 120 mA	400V	UL(E43149),C-UL	(W)6.4×(L)9.78×(H)3.9 mm	AQW454

• 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



T E L : Taiwan: 886-3-5753170
F A X : Taiwan: 886-3-5753172
E-mail : Taiwan: us_sale@100y.com.tw

Shenzhen: 86-755-83298787
Shenzhen: 86-755-83640655
Shenzhen: 100y@163.com

Shanghai: 86-21-54151736
Shanghai: 86-21-64605107
Shanghai: 100y-1@163.com