



Relays & Solenoids

NAIS_PCB Relays

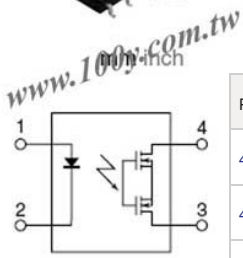
Detailed product specifications are available on: us.100y.com.tw



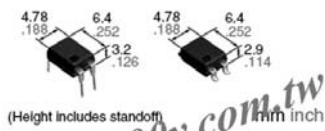
TYPICAL APPLICATIONS

- Telecommunications (PC, Electronic Notepad)
- Measuring and Testing equipment

- Factory Automation Equipment
- Security equipment
- High speed inspection machines



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47173	AQY210S	NAIS	Super miniature design	1 Form A	1 Form A	350V	UL,C-UL,BSI	(W)4.3 × (L)4.4 × (H)2.1 mm	AQY210S
47172	AQY212S	NAIS	Super miniature design	1 Form A	1 Form A	60V	UL,C-UL,BSI	(W)4.3 × (L)4.4 × (H)2.1 mm	AQY212S
47174	AQY214S	NAIS	Super miniature design	1 Form A	1 Form A	400V	UL,C-UL,BSI	(W)4.3 × (L)4.4 × (H)2.1 mm	AQY214S

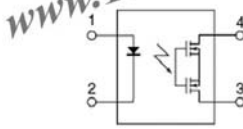


FEATURES

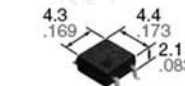
1. Greatly increased load current.
2. Reinforced insulation 5,000 V type.
3. Greatly improved specs allow you to use this in place of mercury and mechanical relays.
4. Compact 4-pin DIP size.

TYPICAL APPLICATIONS

- Crime and fire prevention market (use in I/O for alarm and security devices, etc.)
- Amusement market
- Measuring instrument market (circuit testers, etc.)



Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Type
47180	AQY212GH	NAIS	Load current greatly increased using next-generation MOSFET High Capacity 4-pin Type	60V / 1.1A	60V	UL,C-UL,VDE	AQY212GH

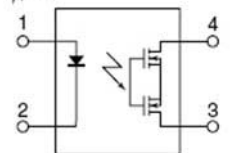


FEATURES

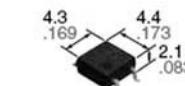
1. Greatly increased load current in the same, miniature, 4-pin SO package (1.25A high capacity type added).
2. Greatly improved specs allow you to use this in place of mercury and mechanical relays.

TYPICAL APPLICATIONS

- Measuring instrument market
- Crime and fire prevention market (use in I/O for alarm and security devices, etc.)



Part No.	Product No.	Manufacturer	Description	Coil Voltage	Recognized Safety	Type
47170	AQY212GS	NAIS	Load current greatly increased using next-generation MOSFET High Capacity 4-pin Type	60V	UL,C-UL,VDE	AQY212GS



FEATURES

1. Low output capacitance between output terminals and low ON-resistance

Output capacitance(C): 2.0pF (typ.)
ON resistance(R): 9.8Ω (typ.)

2. High speed switching

Turn on time: 40ms
Turn off time: 60ms

3. SO package 4-pin type in super miniature design

Size: (W)4.3 × (L)4.4 × (H)2.1 mm
(W).169 × (L).173 × (H).083 inch

4. Low-level off state leakage current

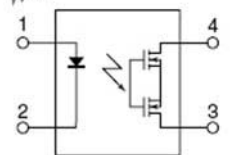
The SSR has an off state leakage current of several milliamperes, where as this PhotoMOS relay has typ. 10pA (typical) even with the rated load voltage

5. Controls low-level analog signals

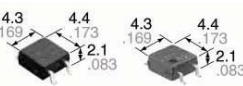
6. Low thermal electromotive force (Approx. 1 mV)

TYPICAL APPLICATIONS

- Measuring and testing equipment
- 1. Testing equipment for semiconductor performance IC tester, Liquid crystal driver tester, semiconductor performance tester
- 2. Board tester
- Bear board tester, In-circuit tester, function tester
- 3. Medical equipment
- Ultrasonic wave diagnostic machine
- 4. Multi-point recorder (warping, thermo couple)



Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47358	AQY221N1S	NAIS	NAIS_RF PhotoMOS RELAY	40V / 120mA	40V	UL(E43149),C-UL	(W)4.3 × (L)4.4 × (H)2.1 mm	AQY221N1S



<R type> <C type>

FEATURES

1. Two option package available.

R type offers greatly reduced on-resistance.

C type offers lower output capacitance.

2. High speed switching

Turn on time: 30μs (AQY221N2S)

Turn off time: 30μs (AQY221N2S)

3. Super miniature design

SOP 4-pin type.

4. Low-level off state leakage current of 10pA

The SSR has an off state leakage current of several milliamperes, where as this PhotoMOS relay has typ. 10pA (typical) even with the rated load voltage (AQY221N2S)

	AQY221R2 (R Stype)	AQY221N2S (C Stype)
Output capacitance: C	13pF	1pF
On resistance: R	0.8Ω	9.5Ω

