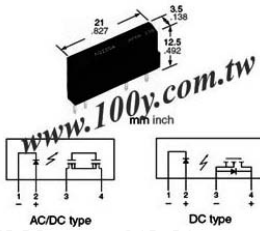




Relays & Solenoids

NAIS_PCB Relays

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

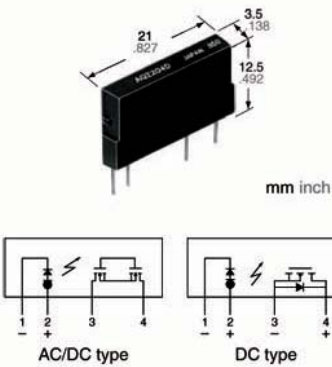


TYPICAL APPLICATIONS

- High-speed inspection machines
- IC checker
- NC machine, Robots
- Office machines
- Telecommunication
- Automotive



Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Type
47425	AQZ102	NAIS	NAIS_Power PhotoMOS RELAY	60V / 4.0A	60V	UL(E43149),C-UL	AQZ102
47428	AQZ104	NAIS	NAIS_Power PhotoMOS RELAY	400V / 0.7A	400V	UL(E43149),C-UL	AQZ104
47426	AQZ10 5	NAIS	NAIS_Power PhotoMOS RELAY	100V / 2.6A	100V	UL(E43149),C-UL	AQZ105
47427	AQZ107	NAIS	NAIS_Power PhotoMOS RELAY	200V / 1.3A	200V	UL(E43149),C-UL	AQZ107
47420	AQZ202	NAIS	NAIS_Power PhotoMOS RELAY	60V / 3.0A	60V	UL(E43149),C-UL	AQZ202
47424	AQZ204	NAIS	NAIS_Power PhotoMOS RELAY	400V / 0.5A	400V	UL(E43149),C-UL	AQZ204
47422	AQZ205	NAIS	NAIS_Power PhotoMOS RELAY	100V / 2.0A	100V	UL(E43149),C-UL	AQZ205
47423	AQZ207	NAIS	NAIS_Power PhotoMOS RELAY	200V / 1.0A	200V	UL(E43149),C-UL	AQZ207



FEATURES

- 1. A voltage sensitive power PhotoMOS relay**
Conventional power PhotoMOS relays are connected externally to an input limiting resistor in order to obtain the appropriate LED current. Adding an internal constant-current element renders the input limiting resistor unnecessary, making it possible for the PhotoMOS relay to be voltage driven.
- 2. Wide range of input voltages**
Allows a wide range of input voltages from 4 to 30 V DC. The relay can be used in 5 V, 12 V or 24 V DC systems.
- 3. Large capacity PhotoMOS relay**
Supports the various types of load control, from very small loads to a maximum 2.7 A for the AC/DC dual type, 3.6 A for the DC-only type.

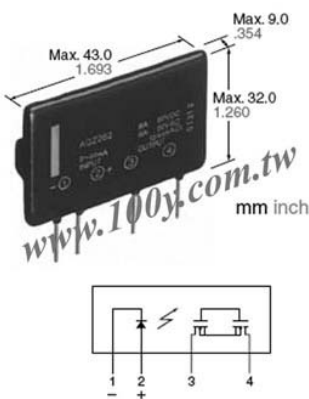
4. Both AC/DC dual types and DC-only types are available

The AC/DC dual type is capable of bi-directional control, and unlike conventional SSRs, does not have to be used differently depending on the load. The DC-only type is well suited for control of DC solenoids and DC motors.

5. High sensitivity, low ON resistance
A maximum 3.6 A load can be controlled with the minimum input voltage of 4 V DC. The ON resistance is also low at 0.09 Ω (AQZ102D).

6. Small scale, slim type, 4-pin SIL
Length 21.0 mm×width 3.5 mm×height 12.5 mm. High precision mounting is possible because of the small 73.5mm² area of the 4-pin SIL.

Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47454	AQZ102D	NAIS	NAIS_Power PhotoMOS RELAY	60V / 3.6 A	60V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ102D
47459	AQZ104D	NAIS	NAIS_Power PhotoMOS RELAY	400V / 0.6 A	400V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ104D
47455	AQZ105D	NAIS	NAIS_Power PhotoMOS RELAY	100V / 2.3 A	100V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ105D
47457	AQZ107D	NAIS	NAIS_Power PhotoMOS RELAY	200V / 1.1 A	200V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ107D
47449	AQZ202D	NAIS	NAIS_Power PhotoMOS RELAY	60V / 2.7 A	60V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ202D
47452	AQZ204D	NAIS	NAIS_Power PhotoMOS RELAY	400V / 0.45 A	400V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ204D
47450	AQZ205D	NAIS	NAIS_Power PhotoMOS RELAY	100V / 1.8 A	100V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ205D
47451	AQZ207D	NAIS	NAIS_Power PhotoMOS RELAY	200V / 0.9 A	200V	UL(E43149),C-UL	21.0*3.5*12.5mm	AQZ207D



FEATURES

- 1. High capacity type power photoMOS relay.**
Can switch a wide range of currents and voltages. Can control various types of loads, from very small loads to a maximum 6A AC/DC current for sequencers, motors, and lamps.
- 2. Low ON resistance and high sensitivity.**
Low ON resistance of less than 50 mΩ on a par with mechanical relays (AQZ262). High sensitivity LED operate current of 3 mA (at 25°C 77°F).
- 3. AC/DC dual use**
Bi-directional control is possible. There is no need to differentiate depending on the load as was necessary with the conventional SSR.
- 4. 4-pin SIL type.**
4-pin SIL type of (L) 43.0 mm × (W) 9.0 mm × (H) 32.0 mm (L) 1.693 inch × (W) .354 inch × (H) 1.260 inch.
- 5. Low-level off state leakage current**
In contrast to the SSR with an off state leakage current of several milliamperes, the PhotoMOS relay features a very small off state leakage current of typ. 10mA even at the rated load voltage.

6. Controls low-level analog signals

The triac, photocoupler, or SSR cannot be used to control signals of less than several hundred mV. The high capacity type power PhotoMOS relay feature extremely low closed-circuit offset voltage to enable control of low-level analog signals without distortion.

TYPICAL APPLICATIONS

- Mercury relay replacement
- Railroad, traffic signals
- Compact motors, lamps, heaters
- OA equipment

Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Outline L*W*H	Type
47462	AQZ262	NAIS	NAIS_Power PhotoMOS RELAY	60V / 6.0 A	60V	43.0*9.0*32.0mm	AQZ262
47463	AQZ264	NAIS	NAIS_Power PhotoMOS RELAY	400V / 1.0 A	400V	43.0*9.0*32.0mm	AQZ264

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