



# IOEC

In&Out Electronic Corp.

# AQ

## ► FEATURES

- Contact load capacity up to 30A.
- Suitable for automobile.
- Terminal types as inserting.



31\*27\*40

## ► CONTACT DATA

Contact Arrangement	1C	
Contact Material	Ag·SnO <sub>2</sub> , AgNi	
Contact Rating (resistive)	NO:30A/14VDC NC:20A/14VDC	
Max. Switching Power	350W	
Max. Switching Voltage	75VDC Max. Switching Current:30A	
Contact Resistance or Voltage drop	≤100mV (at 30A)	
Operation life	Electrical	10 <sup>5</sup>
	Mechanical	5*10 <sup>6</sup>

## ► COIL PARAMETER

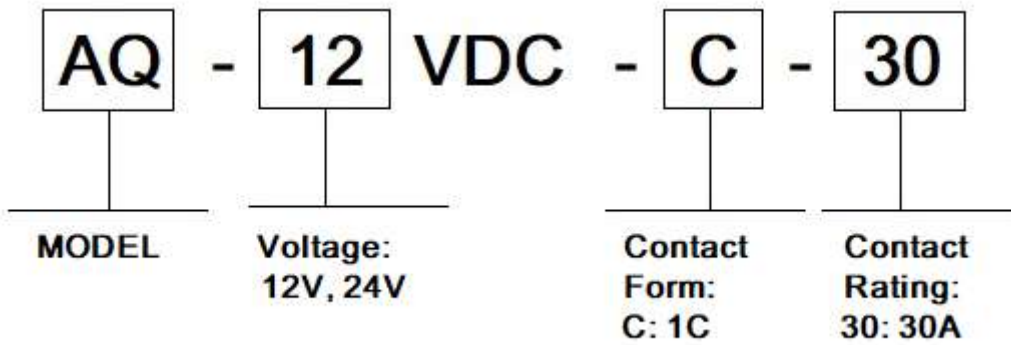
Coil voltage (VDC)	Operating Voltage Range VDC	Coil resistance (Ω ±10%)	Pickup voltage(max) (VDC) (70% of rated voltage)	release voltage(min) (VDC) (10% of rated voltage)	Coil power consumption (W)	Operate Time (ms)	Release Time (ms)
Rated							
12	15.6	72	8.4	1.2	2.0w	≤10	≤7
24	31.2	288	16.8	2.4			

**CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.  
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

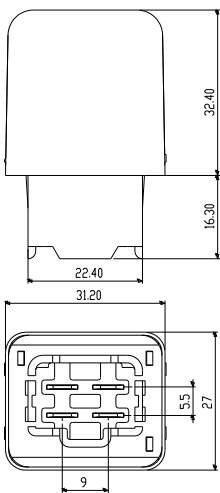
## ► OPERATION CONDITION

Insulation Resistance	100M Ω min (at 500VDC)	
Dielectric Strength	Between contacts	50Hz 500V
	Between contact and coil	50Hz 750V
Shock resistance	147m/s <sup>2</sup> 11ms	
Vibration resistance	10~60Hz double amplitude 1.5mm	
Terminals strength	8N	
Solder ability	250°C ±2°C 3 ±0.5s	
Ambient Temperature	-40~70°C	
Relative Humidity	85% (at 40°C)	
Weight	35g	

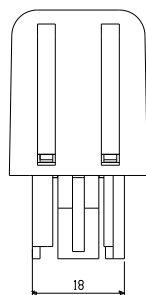
► ORDERING INFORMATION



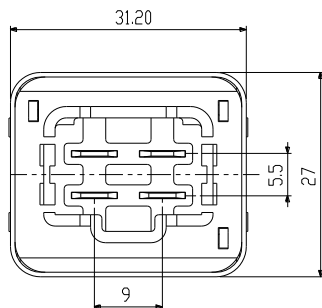
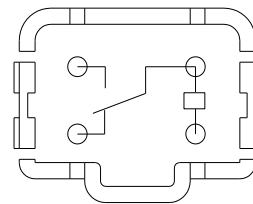
► DIMENSIONS (UNIT: mm)



Dimensions



Mounting (Bottom views)



Wiring diagram(Bottom views)

- NOTES**
- 1).Dimensions are in millimeter.
  - 2).Inch equivalents are given for general information only.