

# Connection & Output

## Electrical Wiring

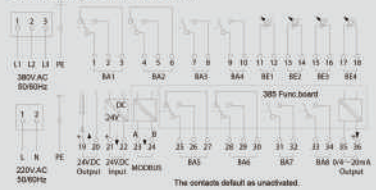
Waterproof cable connector is provided in the attached zipper bag, protection class is IP67.

There are several connectors available:

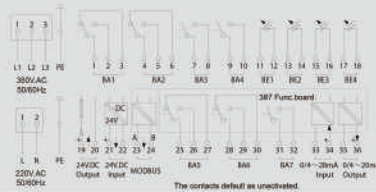


Note 1: Exclusively use same protection level cable connector with Omron actuator in order to ensure stated protection level.  
 Note 2: All of the signal cable must be shielded.  
 Note 3: Cable connecting separate type actuators should not exceed more than 15 meters.  
 Note 4: After wiring, please use the plastic cover in attached zipper bag to screw unused cable hole.

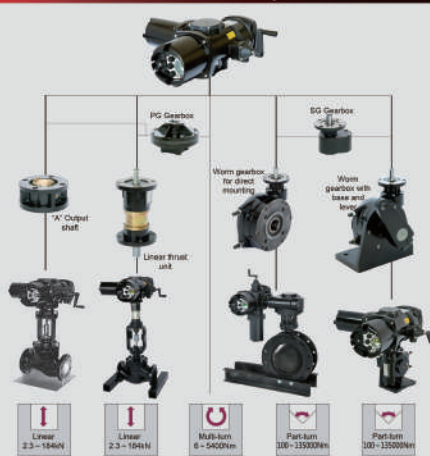
### Electrical wiring for digital signal input:



### Electrical wiring for analog signal input:



## Mechanical Interfaces



According to the mechanical interfaces, Omron electric actuators are divided into three categories:

- 1 Multi-turn: Actuator outputs at least 360° of angular displacement and torque. If equipped with A type output shaft can realize a linear thrust motion.
- 2 Linear: Equipped with a linear thrust, actuator can output linear displacement and thrust, and valve stem directly connected to the linear thrust rod.
- 3 Part-turn: Equipped with worm gear, actuator can output 90° of angular displacement and torque. Part-turn are divided into two categories according to their installation.
  - 3.1 Direct mounting: Worm gearbox is connected with the flange and output shaft hole.
  - 3.2 With base and lever: Worm gearbox is mounted on the base, and valve is driven by lever and rod.