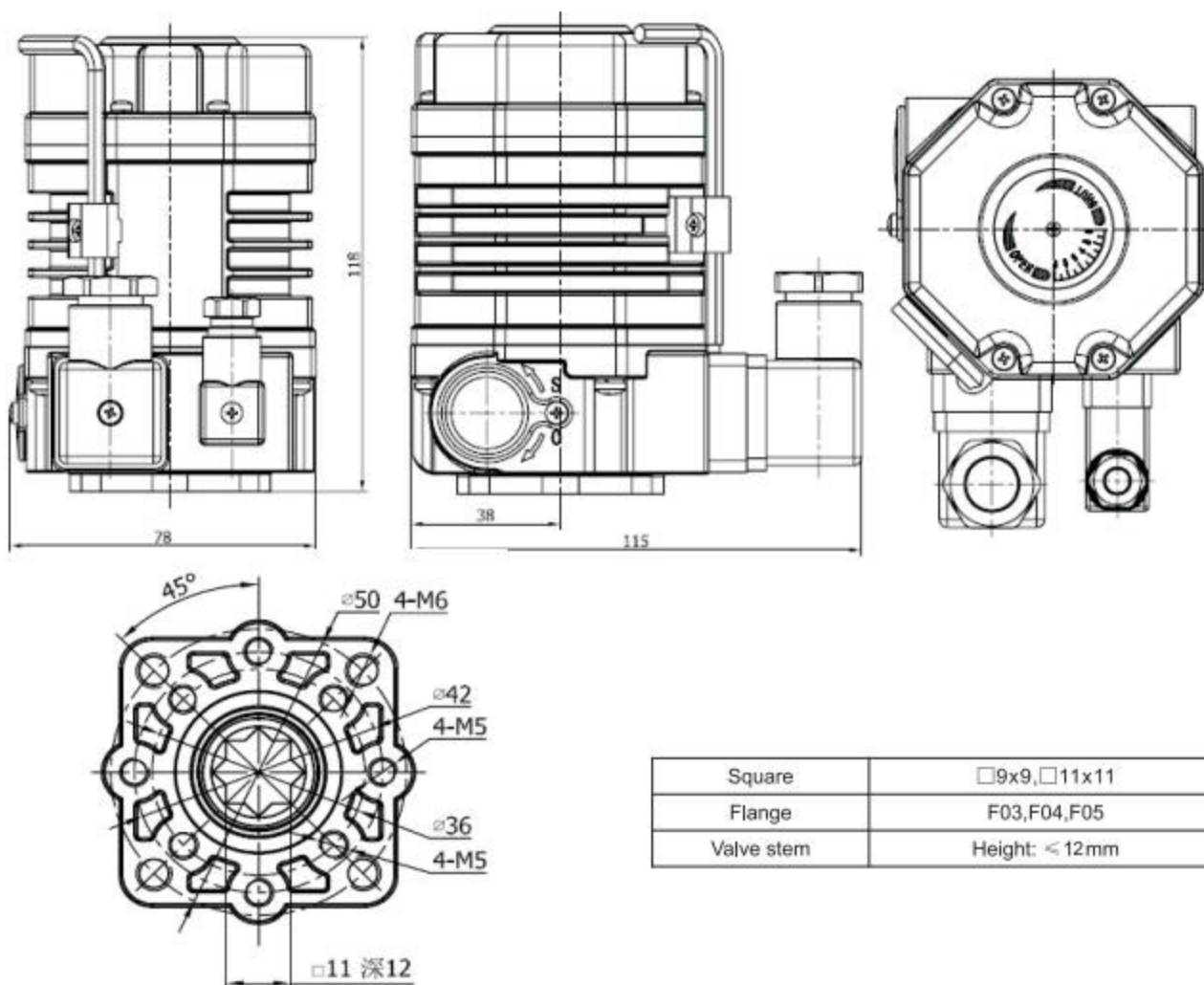


Notes

- 1.No manual operation is allowed when it is energized.
- 2.Do not open the rubber cover of manual operation port if you are not operating manually,so as to avoid water or dust from entering into the actuator.
- 3.Please not to operate the actuator out of the range of the indicator,Otherwise the actuator will not be able to work normally.
- 4.The actuator is equipped with overheat protection device,when the motor exceeds the temperature 125 °C,the overheat protection device will switch off the motor power automatically.
- 5.It is necessary to install additionally the leakage protection device before it is put into operation.
- 6.Please confirm the input voltage and all connections.
- 7.It is not allowed to in series or in parallel the power lines for two or more sets of actuators,otherwise,it will cause movement out of control and motor over temperature rising due to the interference of condensers from each other.
- 8.It is prohibited to operate the actuator under overload condition.
- 9.The manufacturer will not be responsible for the improper changes and maintenance on the actuator.

| .Overall Dimension

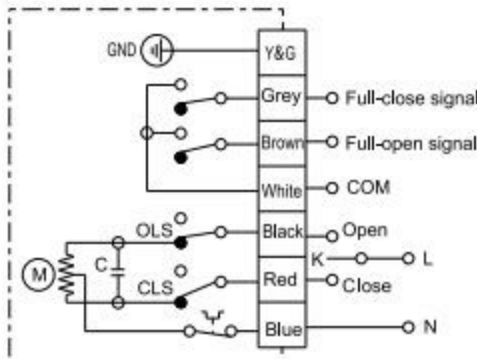


II .Performance Paramenters

Parameters	Type	BN002		
	Power			
Performance		DC24V	AC110V	AC220V
Motor Power		8W	6W	6W
Rated Current		0.75A	0.32A	0.17A
Standard Time/Torque		15S/18Nm		
Turning Angle		0~90°		
Available Control Circuit		Type D	Type C	
Total Weight		1.0kg		
Insulating Resistance		100MΩ/250VDC		100MΩ/500VDC
Withstand Voltage Class		500VDC 1minute		1400VDC 1minute
Protection Class		IP 67		
Installation Angle		360°,at any angle		
Electric Interface		7-core cable for connection		
Ambient Temperature		-30℃~-+60℃		

iii. Control Circuit

Type C: Position Switch with Passive contact



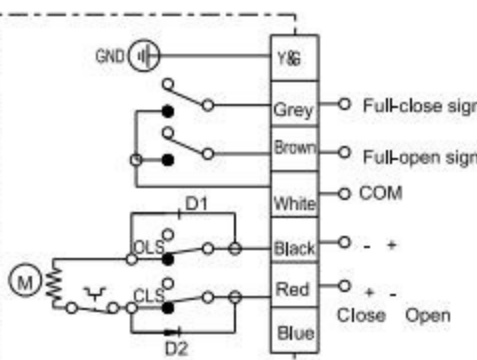
The opening or closing operation is realized by switching open or close the circuit. Outputting a group of full-open or full-close active signals.

Notes of wiring terminals:

- 1.Terminal in blue is for the connection of zero line of power
- 2.The connection between power phase line and terminal in red is for the operation of "close"
- 3.The connection between power phase line and terminal in black is for the operation of "open"
- 4.Terminal in white is common terminal as passive contact
- 5.When it is at "open" operation position, terminal in brown will output the "Full open" signal
- 6.When it is at "close" operation position, terminal in grey will output the "Full close" signal
- 7.Terminal in Y&G connects PE.

Note: The internal circuit of actuator is shown in the dotted frame.

Type D: DC control circuit, with passive contact switch



According to the single conductivity of diode, the opening and the closing operation can be realized by means of the exchanging of the positive pole and the negative pole of DC power supply and output a group of full open or close passive signals.

Notes of wiring terminals:

- 1.For the operation of "close", the terminal in red is connected with positive pole and the terminal in black is connected with negative pole. For operation of "open", the terminal in black is connected with positive pole and the terminal in red is connected with negative pole.
- 2.The terminal in white is the common terminal with passive contact.
- 3.When it is at "open" operation position, terminal in brown will output the "Full open" signal
- 4.When it is at its "close" operation position, terminal in grey will output the "Full close" signal.
- 5.Terminal in Y&G connects PE

Note: the internal circuit of actuator is shown in the dotted frame.