

## Quarter Turn Electrical Actuator (Motorised Valve) Basic ON/OFF Type

### GENERAL PARAMETERS

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Torque Range         | : 50 N.m                                                 |
| Operating Time       | : 15 s (AC Type), 10 s (DC Type)                         |
| Feedback Signal      | : On/Off Dry Contact Position Feedback (Rated 5A@250VAC) |
| Ambient Temperature  | : -25°C ... 70°C (Optional: -40°C ... 60°C)              |
| Anti-vibration Level | : JB/T8219                                               |
| Noise Level          | : Less than 75dB within 1m                               |
| Electrical Interface | : Two PG13.5 (<100N.m) Two PG16 (≥100N.m)                |
| Connection size      | : ISO-5211 (F03, F05 & F07)                              |
| Ingress Protection   | : IP67 (Optional: IP68)                                  |

*The definition of IP68 is: Depth of water: Maximum 15 m under water level. Duration of continuous immersion in water: Max. (72 hours).*



Series 8280 050

### MECHANICAL PARAMETERS

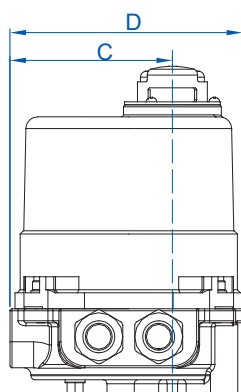
|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Motor Specifications | : Class F, with thermal protector up to +135°C (Optional: Class H) |
| Working Duty         | : On-off Type: S2 ~ 15min, no more than 600 times per hour start   |
| Applicable Voltage   | : Single Phase (±10 %) AC220, 230, 240V (50Hz / 60Hz)              |
|                      | : DC : 24 V (±10 %)                                                |

*\* 8280 series is for 1 phase only (For special inquire, please contact WOGS)*

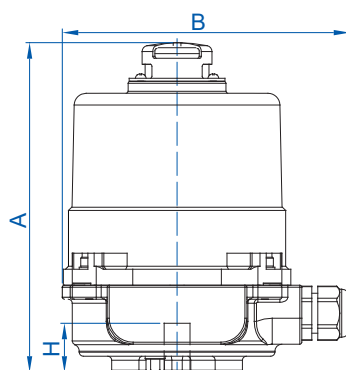
| Model    | Power (W) | Max Output Torque (N.m)            |                                 | Max Output Torque (lbf.in)         |                                 | Running time (Sec)            |                     |               |           | ISO-5211        | Remarks       |
|----------|-----------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|-------------------------------|---------------------|---------------|-----------|-----------------|---------------|
|          |           | AC 110 V<br>AC 220 V<br>AC/DC 24 V | AC 220 V<br>AC 380 V<br>3 phase | AC 110 V<br>AC 220 V<br>AC/DC 24 V | AC 220 V<br>AC 380 V<br>3 phase | 50 Hz<br>AC 110 V<br>AC 220 V | AC 380 V<br>3 phase | AC/DC<br>24 V | Fail-safe |                 |               |
| 8280 050 | 10        | 50                                 | N/A                             | 443                                | N/A                             | 15                            | N/A                 | 10            |           | F03 / F05 / F07 | Manual Wrench |

Note: Standard configuration.

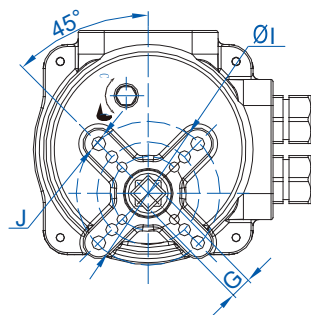
1. Rated torque is 75% of the max torque. 2. Motor insulation is class F. class H is optional. 3. The running time of 60 Hz is 5/6 of that of 50 Hz. The max output torque is the same as above.



Side View



Front View



Bottom View

Dimension: mm

| Model    | A   | B   | C  | D   | E | F | G       | H  | Ø I        | J                  | Weight (kg) |
|----------|-----|-----|----|-----|---|---|---------|----|------------|--------------------|-------------|
| 8280 050 | 165 | 145 | 79 | 115 | - | - | 14 x 14 | 20 | 36, 50, 70 | 4-M5, 4-M6<br>4-M8 | 3           |