# Electrical data Part-turn actuators with integral actuator controls, short-time duty S2 - 15 min and intermittent duty S4 - 40 %, 115 V, 230 V/50/60 Hz

**SGC 04.1 – SGC 10.1**
**SGCR 04.1 – SGCR 10.1**

**Electrical data for connection to 1-phase AC 115 V, 50/60 Hz**

| Type | Operating time for 90° in seconds | Torque max. Nm | Power $P_N$ (W) | Motor speed max. rpm | Nominal current[1] $I_N$ (A) | Current[2] approx. Imax. (A) |
|---|---|---|---|---|---|---|
| **SGC/SGCR 04.1** | **4 – 63** | 63 | 80 | 2,250 | 1.1 | 1.5 |
| **SGC/SGCR 05.1** | **4 – 63** | 125 | 120 | 2,250 | 1.6 | 3.0 |
| **SGC/SGCR 07.1** | **4 – 63** | 250 | 175 | 2,250 | 2.4 | 4.1 |
| **SGC/SGCR 10.1** | **5,6 – 90** | 500 | 225 | 2,250 | 3.2 | 6.0 |

**Electrical data for connection to 1-phase AC 230 V, 50/60 Hz**

| Type | Operating time for 90° in seconds | Torque max. Nm | Power $P_N$ (W) | Motor speed max. rpm | Nennstrom[1] $I_N$ (A) | Current[2] approx. Imax. (A) |
|---|---|---|---|---|---|---|
| **SGC/SGCR 04.1** | **4 – 63** | 63 | 80 | 2,250 | 0.55 | 0.75 |
| **SGC/SGCR 05.1** | **4 – 63** | 125 | 120 | 2,250 | 0.8 | 1.5 |
| **SGC/SGCR 07.1** | **4 – 63** | 250 | 175 | 2,250 | 1.2 | 2.1 |
| **SGC/SGCR 10.1** | **5,6 – 90** | 500 | 225 | 2,250 | 1.6 | 3.0 |

Motor data is approximate. Due to usual manufacturing tolerances, there may be deviations from the values given.
The permissible variation of the nominal voltage is ±10 %.

The output data of the fuses provided on site must not exceed the following values:
15 A/250 V at a maximum mains current of 5,000 A AC.
For protection with circuit breakers, devices with 6 A[3] at 230 V AC, or 13 A[3] at 115 V AC with characteristics D according to IEC/EN 60898 with at least 15 kA switching power are recommended.

For further information, refer to “Technical data Part-turn actuators SGC/SGCR 04.1 – SGC/SGCR 10.1 with integral actuator controls”.

1) Current at shortest running torque/modulating torque and shortest operating time.
2) Current at max. torque and shortest operating time. We recommend to select the switchgears in compliance with these values.
3) Groups of up to four actuators can be protected via one circuit breaker with at least 15 kA switching power, 20 A at 230 V AC, or 40 A at 115 V AC, characteristics D according to IEC/EN 60898

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.