

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

Type	Operating time for 90°	Torque ¹⁾	Running torque ^{2)/} Modulating torque ³⁾	Power	Motor speed	Rated current ⁴⁾	Max. current ⁵⁾
	[Seconds]	Max. [Nm]	Max. [Nm]	P _N [W]	Max. [rpm]	I _N [A]	I _{max} [A]
SGC/SGCR 04.1	4 – 63	25 – 63	32	80	2,250	1.1	1.5
SGC/SGCR 05.1	4 – 63	50 – 125	63	120	2,250	1.6	3.0
SGC/SGCR 07.1	4 – 63	100 – 250	125	175	2,250	2.4	4.1
SGC/SGCR 10.1	5.6 – 90	200 – 500	250	225	2,250	3.2	6.0
SGC/SGCR 12.1	20 – 275	400 – 1,000	500	175	2,250	2.4	4.0

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

Type	Operating time for 90°	Torque ¹⁾	Running torque ^{2)/} Modulating torque ³⁾	Power	Motor speed	Rated current ⁴⁾	Max. current ⁵⁾
	[Seconds]	Max. [Nm]	Max. [Nm]	P _N [W]	Max. [rpm]	I _N [A]	I _{max} [A]
SGC/SGCR 04.1	4 – 63	25 – 63	32	80	2,250	0.55	0.75
SGC/SGCR 05.1	4 – 63	50 – 125	63	120	2,250	0.8	1.5
SGC/SGCR 07.1	4 – 63	100 – 250	125	175	2,250	1.2	2.1
SGC/SGCR 10.1	5.6 – 90	200 – 500	250	225	2,250	1.6	3.0
SGC/SGCR 12.1	20 – 275	400 – 1,000	500	175	2,250	1.2	2.0

Notes on table

1) Torque	Adjustable tripping torque
2) Running torque	Permissible average torque in open-close duty S2 - 15 min
3) Modulating torque	Torque in modulating duty S4 - 40 %
4) Rated current	Rated current at maximum modulating torque and shortest operating time
5) Max. current	Current at maximum torque and maximum speed. We recommend selecting the switchgears in compliance with these values.

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 $\pm 10\%$. Higher voltage failures cause reduction in nominal output torque.

The output data of the fuses to be 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 at 230 V AC, or 13 A at 115 V AC with characteristics D according to VDE 0641 and IEC 60898 with at least 15 kA switching power are recommended.

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 60898.

For further information, refer to "Technical data Part-turn actuators SGC/SGCR 04.1 – SGC/SGCR 12.1 with integral actuator controls".