

General information

Part-turn actuators of the SQV .2 type range with variable operating times. AUMA actuator controls of ACV .2 type are required to change the operating time.

| Part-turn actuator | | | Current and power data ¹⁾ | | | | Fuse ²⁾ |
|--------------------|----------------------------|------------------|--------------------------------------|---|--|---|---|
| Type | Operating time for 90° [s] | Max. torque [Nm] | Motor type | Consumed rated power ³⁾ P _{IN} [kW] | Nominal current ⁴⁾ I _N [A] | Max. current ⁵⁾ I _{max} [A] | Blow characteristics: Time-delay (gG) [A] |
| SQV 05.2 | 4 – 28 | 150 | VDV0063-2-0,06 | 0.19 | 1.0 | 1.7 | 6.0 |
| | 12 – 120 | | VDV0063-4-0,02 | 0.10 | 0.8 | 1.2 | 6.0 |
| SQV 07.2 | 4 – 28 | 300 | VDV0063-2-0,12 | 0.27 | 1.5 | 2.1 | 6.0 |
| | 12 – 120 | | SDV0063-4-0,03 | 0.11 | 0.9 | 1.2 | 6.0 |
| SQV 10.2 | 12 – 120 | 600 | SDV0063-4-0,06 | 0.15 | 1.0 | 1.9 | 6.0 |
| SQV 12.2 | 24 – 240 | 1,200 | SDV0063-4-0,06 | 0.15 | 1.0 | 1.9 | 6.0 |
| SQV 14.2 | 40 – 360 | 2,400 | SDV0063-2-0,10 | 0.13 | 1.2 | 2.4 | 6.0 |

- 1) Motor with ACV actuator controls
- 2) For short-circuit protection of the actuator, fuses have to be provided by the customer. The actuator are suitable for use in current circuits with a maximum short-circuit AC current value of 5,000 A root-mean-square (R.M.S). The output data of the fuses to be provided on site must not exceed the following values: 32 A/600 V at a maximum mains short circuit current of 5,000 A AC.
- 3) Mains power consumption for 230 V rated voltage V at part-turn actuator run torque (approx. 35 % of the maximum torque) and maximum operating time.
- 4) Mains current consumption for 230 V rated voltage V at part-turn actuator run torque (approx. 35 % of the maximum torque) and maximum operating time.
- 5) Mains current consumption for 230 V rated voltage at maximum torque and approx. 50 % operating time. Starting current $I_A \leq I_{max}$.

Notes on installation and sizing

| | |
|--------------------------------|---|
| Electrical data | Current and power data are approximate. Due to usual manufacturing tolerances, there may be deviations from the values given. |
| Rated voltage | Mains voltage for defining current and power data |
| Motor operation | On the basis of the supplied 1-phase or 3-phase AC mains voltage, the frequency converter generates a variable 3-phase AC voltage, adjustable in terms of frequency and amplitude. Motor speed and thus actuator operating time is internally set via the frequency. |
| Motor protection | To protect against overheating, thermoswitches or PTC thermistors are embedded in the motor windings. Evaluation of thermoswitches or PTC thermistors is integrated in the ACV actuator controls. |
| Mains voltage, mains frequency | Permissible variation of mains voltage: ±10 % Permissible variation of mains frequency: ±5 % |