SQV 05.2 – SQV 14.2

Electrical data Part-turn actuators for open-close duty

Short-time duty S2 - 15 min, Mains voltage 380 – 480 V/50 – 60 Hz 3-phase AC

General information

Part-turn actuators of the SQV .2 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	0.21	0.8	1.3	6.0
	12 – 120		VDV0063-4-0,02	0.17	0.7	1.1	6.0
SQV 07.2	4 – 28	300	VDV0063-2-0,12	0.39	1.3	1.9	6.0
	12 – 120		SDV0063-4-0,03	0.18	0.8	1.0	6.0
SQV 10.2	12 – 120	600	SDV0063-4-0,06	0.21	1.0	1.5	6.0
SQV 12.2	24 – 240	1,200	SDV0063-4-0,06	0.21	1.0	1.5	6.0
SQV 14.2	40 – 360	2,400	SDV0063-2-0,10	0.27	1.1	1.7	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 mains short circuit current of 5,000 A AC.
3) Mains power consumption for 400 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 400 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 400 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 %