

**Electrical data**

**General information**

AUMA part-turn actuators PF-Q80 – PF-Q600 are equipped with integral controls.

Type		Operating time for 90° <sup>1)</sup> [Seconds]	Torque range <sup>2)</sup>	Modulating torque <sup>3)</sup>	Power <sup>4)</sup>	Rated current <sup>5)</sup>		Max. current <sup>6)</sup>	
PF-Q	Power level		Max. [Nm]	Max. [Nm]	P <sub>N</sub> [W]	100V	240V	100V	240V
80	18 W	16 – 160	32 – 80	40	22	0.4	0.2	0.7	0.3
	25 W	8 – 80			33	0.6	0.3	1.1	0.5
	50 W	4 – 40			52	0.9	0.4	1.8	0.8
150	18 W	32 – 320	60 – 150	75	22	0.4	0.2	0.7	0.3
	25 W	16 – 160			30	0.5	0.2	1.0	0.4
	50 W	8 – 80			52	0.9	0.4	1.8	0.8
300	18 W	63 – 320	120 – 300	150	22	0.4	0.2	0.7	0.3
	25 W	45 – 320			30	0.5	0.2	1.0	0.4
	50 W	22 – 160			44	0.7	0.3	1.6	0.7
600	25 W	75 – 320	240 – 600	300	30	0.5	0.2	1.0	0.5
	50 W	45 – 320			51	0.8	0.4	1.6	0.7

- 1) The values for operating times refer to an operation across 90° of travel at a load of 70% of the maximum torque
- 2) Adjustable tripping torque
- 3) Maximum permissible torque for modulating duty S4 - 50%
- 4) Effective power consumed by the actuator at 35 % of maximum torque
- 5) Nominal current at 35% of maximum torque and shortest possible operating time
- 6) Current at maximum torque and shortest possible operating time

**Technical information**

Type of duty	Open-close duty	Classes A and B according to EN 15714-2, short-time duty S2 - 15 min
	Modulating duty	Class C according to EN 15714-2, intermittent duty S4 - 50 %
Power supply	1-phase AC current: 100 – 240 V / 50 – 60 Hz	

**Notes on installation and sizing**

Motor data	Motor data is approximate. Due to usual manufacturing tolerances, there may be deviations from the values given.
Mains voltage, mains frequency	Permissible variation of mains voltage: ±10 % Permissible variation of mains voltage: ±5 %

For protection with circuit breakers, the following sizing/characteristics are recommended.

Number of actuators	Sizing/ characteristics
1	B06
2	B10
4	C13
10	D16

For further information, refer to "Technical data Part-turn actuators PF-Q80 – PF-Q600