

General information

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

Type		Operating time for 90° ¹⁾	Torque range ²⁾	Modulating torque ³⁾	Power ⁴⁾	Nominal current ⁵⁾	Max. current ⁶⁾
PF-Q	Power level	[Seconds]	Max. [Nm]	Max. [Nm]	P _N [W]	I _N [A]	I _{Max} [A]
80	V1	16 – 160	32 – 80	40	22	0.8	1.5
	V2	8 – 80			33	1.2	2.4
	V3	4 – 40			52	1.9	4.1
150	V1	32 – 320	60 – 150	75	22	0.8	1.5
	V2	16 – 160			30	1.1	2.0
	V3	8 – 80			52	1.9	4.1
300	V1	63 – 320	120 – 300	150	22	0.8	1.5
	V2	45 – 320			30	1.1	2.0
	V3	22 – 160			44	1.6	3.5
600	V2	75 – 320	240 – 600	300	30	1.1	2.2
	V3	45 – 320			51	1.9	3.7

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 the shortest possible operating time

Notes on installation and sizing

Starting current When charging capacitors, a starting current peak will occur for a short period. The current is limited to 3.5 A and will be present for maximum 15 ms.

Motor data Motor data is approximate. Due to usual manufacturing tolerances, there may be deviations from the values given.

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

Number of actuators	Sizing/ Characteristics
1	B06
2	B10
4	B20