

Electrical data

General information

AUMA multi-turn actuators PF-M25 – PF-M100 are equipped with integral controls.

Type		Speed in rpm ¹⁾	Torque range ²⁾	Modulating torque ³⁾	Power ⁴⁾	Nominal current ⁵⁾		Max. current ⁶⁾	
PF-M	Power level	[Seconds]	Max. [Nm]	Max. [Nm]	P _N [W]	100 V	240 V	100 V	240 V
25	25 W	1 – 6	10 – 25	12.5	31	0.5	0.2	1.0	0.5
	50 W	2 – 14			51	0.8	0.4	1.6	0.7
50	25 W	0.5 – 3	20 – 50	25	32	0.6	0.3	1.1	0.5
	50 W	0.5 – 6			48	0.8	0.4	1.7	0.8
100	25 W	0.5 – 1.5	40 – 100	50	32	0.6	0.3	1.1	0.5
	50 W	0.5 – 3			51	0.8	0.4	1.7	0.8

- 1) The values for the speeds refer to an operation 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 the fastest possible speed
- 6) Current at maximum torque and the 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 frequency: ±10 % Permissible variation of mains frequency: ±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-M25 – PF-M100