

AUMA NORM

Technical data Part-turn actuators for modulating duty with 3-phase AC motors

Type	Operating time for 90° in seconds		Torque range ¹⁾			Modulating torque ²⁾		Number of starts	Pulse duration ³⁾	Backlash ⁴⁾	Valve attachment		Valve shaft			Handwheel		Weight
	50 Hz	60 Hz	Min. [Nm]	S4-25% Max. [Nm]	S4-50% Max. [Nm]	S4-25% Max. [Nm]	S4-50% Max. [Nm]				Standard EN ISO 5211	Option EN ISO 5211	Cylindrical max. [mm]	Square max. [mm]	Two-flat max. [mm]	Ø [mm]	Turns for 90°	
SQR 05.2	8	6	75	150	110	75	55	1,500	50	160	F05/F07	F10	25.4	22	22	160	11	21 ⁵⁾
	11	9								200							16	
	16	12								265							11	
	22	17								350							16	
	32	25								480							11	
	63	50								800							11	
SQR 07.2	8	6	150	300	220	150	110	1,500	50	160	F05/F07	F10	25.4	22	22	160	11	21 ⁵⁾
	11	9								200							16	
	16	12								265							11	
	22	17								350							16	
	32	25								480							11	
	63	50								800							11	
SQR 10.2	11	9	300	600	420	300	210	1,500	50	200	F10	F12	38	30	27	200	15	26 ⁵⁾
	16	12								265							11	
	22	17								350							15	
	32	25								480							11	
	45	35								650							15	
	63	50								900							11	
SQR 12.2	16	12	600	900	630	450	315	1,500	50	180	F12	F14	50	36	41	200	22	35 ⁵⁾
	22	17		1,200	840	600	420			230							30	
	32	25								320							22	
	45	35								430							30	
	63	50								580							22	
	90	75								800							30	
125	108	1,000	22															
SQR 14.2	36	30	1,200	1,800	1,260	900	630	1,500	50	250	F14	F16	60	46	46	200	51	44 ⁵⁾
	48	40		2,400	1,680	1,200	840			315							70	
	72	60		2,400	1,680	1,200	840			450							51	
	100	85								600							70	

General information

Part-turn actuators AUMA NORM require external controls.

For sizes SQR 05.2 – SQR 14.2, AUMA offer AM or AC actuator controls. These can also easily be mounted to the actuator at a later date.

Notes on table

1) Torque range	The tripping torque is adjustable for directions OPEN and CLOSE within the indicated torque range.
2) Modulating torque	Maximum permissible torque for modulating duty
3) Pulse duration	Minimum pulse duration for identical direction of rotation.
4) Backlash	Minimum pulse duration for reversal of rotation direction.
5) Weight	Indicated weight includes part-turn actuator AUMA NORM with 3-phase AC motor, electrical connection in standard version, unbored coupling and handwheel
6) Weight with base and lever	Indicated weight includes part-turn actuator AUMA NORM with 3-phase AC motor, electrical connection in standard version, and handwheel, including base and lever

Features and functions

Type of duty	Standard:	Intermittent duty S4 - 25%, class C according to EN 15714-2
	Option:	Intermittent duty S4 - 50%, class C according to EN 15714-2
For nominal voltage, 40 °C ambient temperature and at modulating torque load.		
Motors	3-ph AC asynchronous motor, type IM B9 according to IEC 60034-7, IC410 cooling procedure according to IEC 60034-6	