

Technical data SCHWARZ linear thrust unit for OPEN-CLOSE duty

LT 12 – LT 230 with SM 04 – SM 100

SCHWARZ linear thrust units LT 12 – LT 230 attached to multi-turn actuators SM 04 – SM 100 are used for valves requiring linear travel. The thrust units convert the output torque of the multi-turn actuator into an axial thrust.

Suitable multi-turn actuator		Thrust ¹⁾	Linear thrust unit	Speed	Valve mounting flange	Stem thread	Factor ²⁾	Stroke	Thrust at stall torque	Weight ³⁾
Type	1/min	F max. kN	Type	mm/min	DIN 3358		f	max. mm	F max. kN	ca. kg
SM 04	11	12	LT12	55	F10	26 x 5 LH	2.8	50	24	8
	22			110				100		9
	45			225				200		10
	90			450				400		13
SM 07	11	25	LT25	55	F10	26 x 5 LH	2.8	50	46	8
	22			110				100		9
	45			225				200		10
	90			450				400		13
SM 12	9	40	LT40	54	F10	32 x 6 LH	3.0	63	64	10
	18			108				125		12
	35			210				250		15
	70			420				400		18
SM 30	9	70	LT70	63	F14	40 x 7 LH	4.0	80	100	23
	18			126				160		26
	35			245				320		32
	70			490				400		35
SM 50	9	140	LT140	63	F14	40 x 7 LH	4.0	80	197	23
	18			126				160		26
	35			245				320		32
	70			490				400		35
SM 100	9	230	LT230	72	F16	48 x 8 LH	4.4	100	318	45
	18			144				200		50
	35			280				400		62
	70			560				500		68
Weight of base			LT12	LT25	LT40	LT70	LT140	LT230		
			11			40				

Technical data for multi-turn actuators refer to sheet «Technical/Electrical Data SM 04 – SM 100», latest issue.

¹⁾ at min. / max. setting of torque switching at actuator, tolerance 20 %

²⁾ Conversion factor f for torque (T in Nm) to thrust (F in kN) at average coefficient of friction 0,15 (T = F x f)

³⁾ without multi-turn actuator and base

We reserve the right to alter data according to improvements made. Previous data sheets become invalid with the issue of this data sheet.

SCHWARZ®

Issue

1.1

Y000.275/011/en