

# Technical data SCHWARZ linear thrust unit for Modulating duty

# LT 12 – LT 230 with SMR 04 – SMR 100

SCHWARZ linear thrust units LT 12 – LT 230 attached to multi-turn actuators SMR 04 – SMR 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 <sup>1)</sup>	Linear thrust unit	Speed	Valve mounting flange	Stem thread	Factor <sup>2)</sup>	Stroke	Thrust at stall torque	Weight <sup>3)</sup>
Type	1/min	F max. kN	Type	mm/min	DIN 3358		f	max. mm	F max. kN	ca. kg
SMR 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
SMR 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
SMR 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
SMR 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
SMR 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
SMR 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 SMR 04 – SMR 100», latest issue.

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

<sup>2)</sup> Conversion factor *f* for torque (*T* in Nm) to thrust (*F* in kN) at average coefficient of friction 0,15 ( $T = F \times f$ )

<sup>3)</sup> 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<sup>®</sup>**

Issue

1.1

Y000.275/011/en