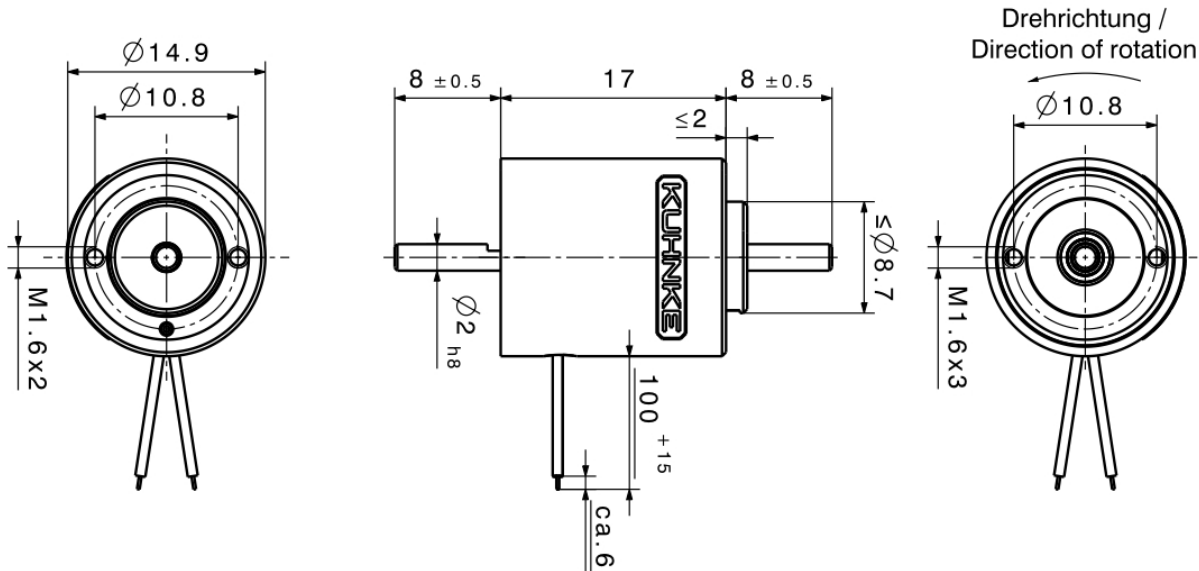


D1 Series Rotary Solenoid

Rotary Solenoid D1



Nennspannung	VDC	24				VDC	Nominal Voltage
ED* LK	%	100	56	28	14	%	ED * LK
Nennleistung	W	2,1	3,3	6,3	11,8	W	Nominal Power
D 12, 25 °	M _A Ncm M _E Ncm	0,075 0,08	0,175 0,13	0,3 0,17	0,4 0,29	M _A Ncm M _E Ncm	D 12, 25 °
D 13, 35 °	M _A Ncm M _E Ncm	0,07 0,125	0,17 0,185	0,29 0,21	0,39 0,23	M _A Ncm M _E Ncm	D 13, 35 °
D 14, 45 °	M _A Ncm M _E Ncm	0,04 0,06	0,1 0,13	0,24 0,185	0,37 0,23	M _A Ncm M _E Ncm	D 14, 45 °
D 16, 65 °	M _A Ncm M _E Ncm	0,035 0,08	0,1 0,13	0,23 0,15	0,31 0,13	M _A Ncm M _E Ncm	D 16, 65 °
D 19, 95 °	M _A Ncm M _E Ncm	- -	0,045** 0,06**	0,065 0,07	0,12 0,085	M _A Ncm M _E Ncm	D 19, 95 °

* By using a cooling surface $\geq 100 \text{ cm}^2$ the permissible duty cycle can be extended up to 1.7x normal rating
** at 44% ED

M_A = Initial torque

M_E = End torque (5 ° before end of rotary angle)

Coil terminals: Flying leads (10 cm standard length)
Weight: approx. 16 g

Dyn. Moment of inertia (rotational mass): ca. $5,3 \cdot 10^{-9} \text{ kgm}^2$

Time constant: approx. 1 - 4 ms

All solenoids with M_A $\geq 0,04 \text{ Ncm}$ are available with Returnspring, with a rating of M_{RA} approx. 0,02 Ncm

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