



Rotary Vane Actuators
Double Acting
2,5 to 5 Nm
Torque at 6 bar

- Angle of rotation infinitely adjustable between 0° to 270°
- Two integral proximity sensor housings
- Hollow shaft for vacuum and liquid transfer applications



Technical Data

Medium:

Compressed air, filtered and lubricated

Operation:

Double acting vane type with buffer cushioning

.../24 Rotary actuator with featherkey shaft

.../25 Rotary actuator with hollow shaft

Operating Pressure:

2 to 8 bar

Operating Temperature:

-10°C* to +60°C

*Consult our Technical Service for use below +2°C

Air Connection:

M 5

Rotation Angle:

0 to 270° infinitely adjustable

Materials:

Zinc diecast nickel plated housing, aluminium anodised plate, polyurethane seals and buffer

Ordering Information

To order a Rotary Actuator with hollow shaft for torque up to 5 Nm at 6 bar quote: M/60231/25

To order a Rotary Actuator with featherkey shaft for torque up to 2,5 Nm at 6 bar quote: M/60221/24

Order proximity sensors separately.

Accessories See page
Proximity sensors (M/P28473) N 4.3.071.01

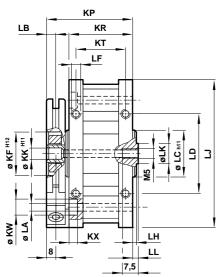


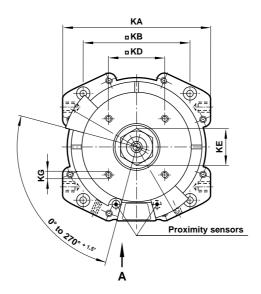


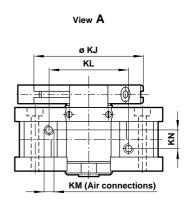
Theoretical Torques • Forces • Air Consumption • Weight

	Theoretical torques	Maximum forces		Permissable	Air consumption	Weight	
	at 6 bar	radial	axial	rotation energy	at 6 bar, 270°	/24	/25
Model	(Nm)	(N)	(N)	(Nm)	(cm ³)	(kg)	(kg)
M/60221	2,5	60	30	1,2 x 10 ⁻²	149	0,43	0,40
M/60231	5	80	35	2,2 x 10 ⁻²	293	0,63	0,65

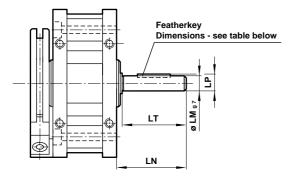
Basic Dimensions .../25

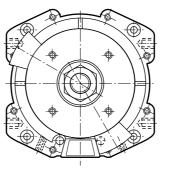






Dimensions .../24





Start point Start point

Rotation Start Point

Model	KA	□ КВ	□ KD	KE	Ø KF H 12	KG	KJ	Ø KK H 11	KL	KM
M/60221	67	49	19	15	20	M 4	46	3	36	M 5-6 deep
M/60231	79	57	30	15	25	M 4	58	3	43	M 5-6 deep
Model	KN	KP	KR	KT	Ø KW	KX	Ø LA	LB	LC	LD
M/60221	10	41	29	22,5	7,5	4,5	4,5	5	24	36
M/60231	10	46	34	26,5	7,5	4,5	4,5	5	25	42,5
Model	LF	LH	LJ	ØLK	LL	LN	LMg7	LP	LT	Featherkeys
M/60221	M 4 - 6 deep	1,5	67	15,5	2,5	29	10	11,2	25	A3h9x3x18
M/60231	M 5 - 7 deep	2	79	-	-	35,5	12	13,5	32	A4h9x4x25

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

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System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.