

X40



Dual coaxial shaft, independent

Up to 600°/s each

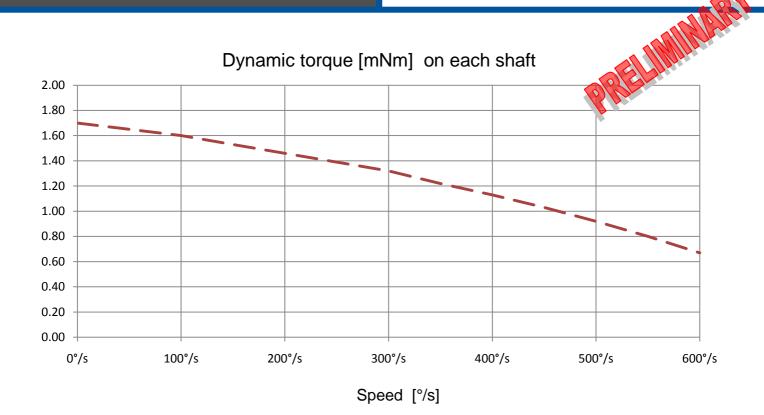
For overlay ranges & dual ranges

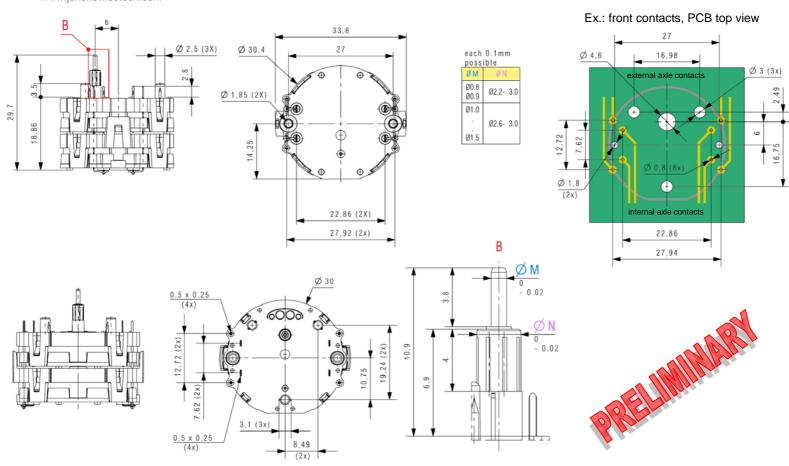
Front contacts

Different optional diameters available for shafts

Vertical construction for minimum surface on circuit board and better guidance of shafts

Automotive instrumentation stepper motor





 $T_{amb} = 25$ °C

		Min.	Тур.	Max.	Unit
1	Dynamic torque in the pointer shaft at 200°/s and 5.0V _{DC} supply	1.0	1.45		mNm
2	Start-Stop frequency f _{ss} at pointer inertia load 0.2x10 ⁻⁶ kgm ²			200	°/s
3	Maximum operating speed f _{max} with an acceleration ramp			600	°/s
4	Angle of rotation with internal stop			315	Degree
5	Holding torque powered	3.5	4.0		mNm
6	Operating voltage		5.0	9.0	V _{DC}
7	Coil resistance per coil	230	260	290	ohm
8	Gear play internal coaxial shaft		0.5	1	Degree
9	Gear play external coaxial shaft		0.5	1	Degree
10	Maximum axial force on the pointer shaft			150	N
	Maximum radial force on the pointer shaft			12	N
11	Rotation angle for an electrical period		2		Degree
	(gear ratio 1:180, phase shift 60°)				
12	Noise level per motor, measurement distance 4cm from top of shaft, not mounted, without load, angular speed 300°/s		40		dB(A)
13	Operating Temperature	-40		+105	°C
14	Solder Temperature (10 sec)		260		°C

