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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

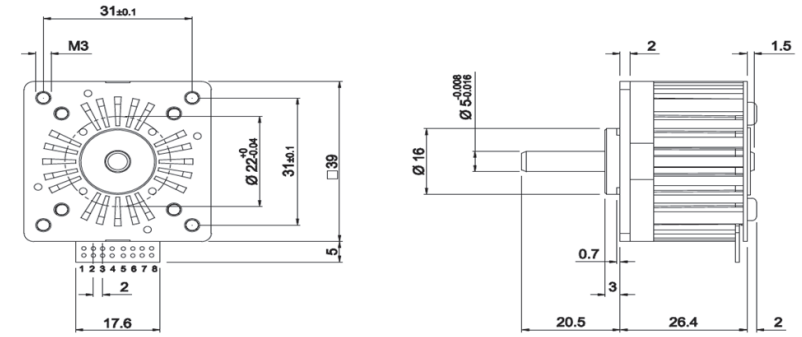
- Critical and expedited services
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Portescap P430 258 013 01* at our website: *Click HERE*

P430 Ø39mm 60 mNm



Dimensions in mm

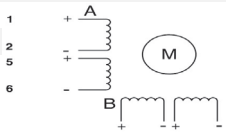
P430

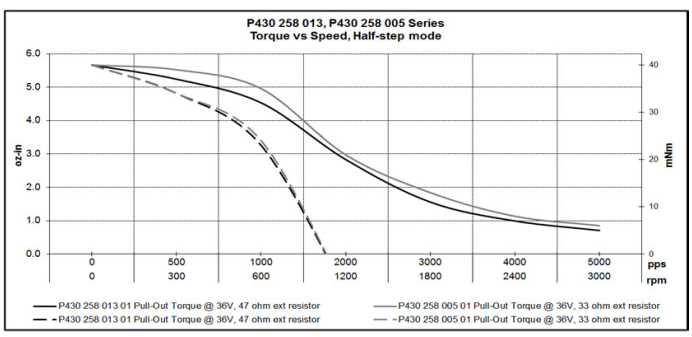
Electrical Data		P430 258 013 01 (series)	P430 258 013 01 (parallel)	P430 258 005 01 (series)	P430 258 005 01 (parallel)	
1	Resistance per Phase, typ	26.0	6.5	10.0	2.5	Ohms
2	Inductance per Phase, typ	40.0	10.0	14.0	3.5	mH
3	Nominal Phase Current (2 ph. On)	0.34	0.68	0.56	1.12	A
4	Nominal Phase Current (1 ph. On)	0.50	1.00	0.80	1.60	A
5	Back EMF Amplitude	7.50	3.80	4.70	2.30	V/kstep/s
Coil independent parameters						
6	Holding Torque, nominal current		60 (8.5)			mNm (oz-in)
7	Holding Torque, 1.5x nominal current (1)		86 (12)			mNm (oz-in)
8	Detent Torque		6.5 (0.93)			mNm (oz-in)
9	Rotor Inertia		3.000			$kgm^2 \times 10^{-7}$
10	Step Angle		3.6			Degree
11	Absolute Accuracy 2 ph. On, Full step mode		+/- 5%			% Full Step
12	Steps Per Revolution		100			
13	Ambient Temperature Range (operating)		-20 to 50 (-4 to 122)			℃ (℉)
14	Maximum Coil Temperature		130 (266)			℃ (℉)
15	Thermal Resistance Coil-ambient (2)		11			℃/W
16	Natural Resonance Frequency (nominal current)		360			Hz
17	Electrical Time Constant		1.50			ms
18	Angular Acceleration (nominal current)		200,000			rad/s^2
19	Bearing Type		Ball			
20	Dielectric Withstanding Voltage		500 VRMS for 5 seconds (15@5N)			VAC
21	Radial Shaft Play		15@5N			µm
22	Axial Shaft Play		10@5N			µm
23	Maximum Radial Shaft Load		20 (72)			N (oz)
24	Maximum Axial Shaft Load (3)		30 (108)			N (oz)
25	Weight		100 (3.5)			g (oz)
26	Power Rate (nominal current)		12.0			kW/s

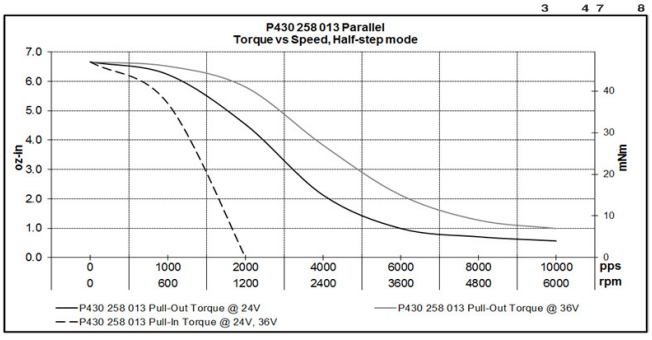
(1) Measured with 1 phase ON. The max coil temperature must be respected

(2) Motor unmounted

(3) Shaft must be supported when press-fitting a pulley or pinion







V121616

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