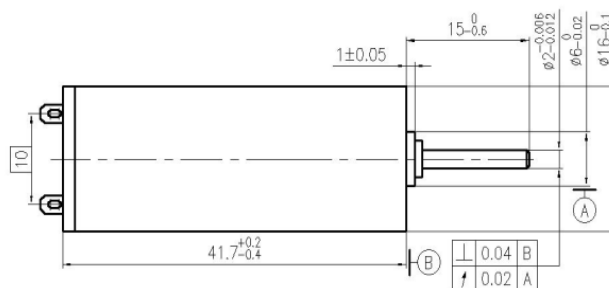
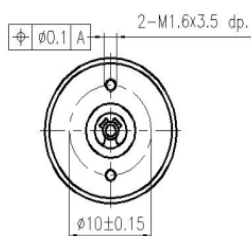


DC coreless 16SYK 直流空心杯型 16SYK

Ø16mm, precious metal brushes, sleeve bearing, with terminals/Ø16mm 贵金属电刷, 滑动轴承, 引出片

1643 Series / 1643系列		型号/model	8123.A	8118.A	8113.A	8110.A	8211.A	8208.A
Motor data (25°C)/ 运行参数 (25°C)								
1 Assigned power/标称功率	W		2.6	2.1	1.7	1.3	2.4	1.65
2 Nominal voltage/额定电压	Volt		4.5	6	9	12	18	24
3 Terminal resistance/端电阻 ±10%	Ohm		1.2	2.5	6.1	13.40	20.2	50.5
4 No-Load speed/ 空载转速 ±10%	rpm		7700	7800	7800	7,710	7900	8080
5 No-Load current/空载电流 ≤125%	mA		55.8	36.7	21.8	20.0	12.1	8.9
6 Speed constant/速度常数	rpm/V		1711	1300	867	643	439	337
7 Torque constant/转矩常数	mNm/A		5.5	7.2	10.9	14.5	21.5	27.8
8 Starting current/启动电流	mA		3719	2449	1475	896	891	475
9 Stall torque/堵转转矩	mNm		20.5	17.7	16.0	13.0	19.1	13.2
10 Mechanical time constant/机械时间常数	ms		7.9	8	6.8	5.6	6.9	7.7
11 Rotor inertia/转动惯量	gcm ²		1.7	1.4	1.1	0.8	1.4	1
12 Max. efficiency/最大效率	%		77	77	77	72	78	75
13 Motor inductance/电机电感	mH		0.062	0.10	0.19	0.28	0.85	1.51
14 Weight of motor/电机重量	g		35	37	37	37	35	33
Limits for continuous operation/电机连续运行区域上限								
15 Max. continuous current/最大连续工作电流	mA		706	432	226	133	161	85
16 Max. continuous torque/最大连续工作转矩	mNm		3.9	3.1	2.4	1.94	3.5	2.2
17 Nominal speed/最大连续工作电流下的转速	rpm		6238	6423	6608	6,561	6468	7095
18 Max. continuous power /最大连续输出功率	W		2.5	2.1	1.7	1.3	2.3	1.6
Dimensions/外形尺寸								



Additional information/其它相关信息

- Axial play (measured at 4N axial force)/轴向间隙 (沿轴向施加4N力时的间隙) 0.05~0.15 mm
- Max. sleeve bearing loads/滑动轴承最大载荷
 - Axial (dynamic)/轴向(动态) 0.8N
 - Radial (4 mm from jamming ring)/径向 (卡簧外4mm) 1.4 N
 - Force for press-fits (static)/最大允许安装力 (静态) 15N
- Max. radial play sleeve bearing/滑动轴承最大径向间隙 0.02 mm
- Ambient temperature range/环境温度范围 -20~+65℃
- Max. rotor temperature/转子承受最高温度 +85℃
- Options: gearbox /其它可选项: 减速器