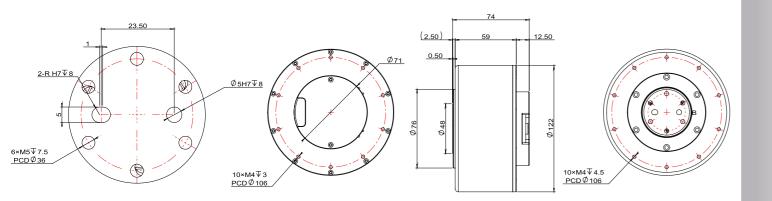


RMD-X10-S2 V3 1:35



>>> 尺寸安装图

INSTALLATION DRAWING



>>> 产品参数

PRODUCT PARAMETERS

参数/型号(Actuator Name)		RMD-X10-S2 V3
货品编码 (Item No.)		1034111040
控制模式(Control mode)		Servo mode(Torque /Velocity/Position) Motion mode (feedforward torque/velocity/positior
通信方式及波特率(Communication Method &Baudrate))	CAN BUS :500Kbps/ 1Mbps RS485 BUS : 115200/500K/1M/1.5K /2.5K
额定电压(Input voltage)	V	48
最大出轴空载转速 (No -load output Speed)	rpm	55
额定出轴转速 (Nominal output Speed)	rpm	50
额定电流 (Nominal current)	А	6.7
输出额定功率 (Output Norminal power) / (热平衡点)	W	265
额定扭矩 (Nominal torque)	N.M	50
电机效率 (Motor efficency)	%	82
瞬时过载系数(Overload coefficient)		2
线电阻 (Wire Resistance)	Ω	0.3
线电感 (Wire inductance)	mH	0.13
电机转速常数 (Motor Speed constant)	rpm/v	30
电机扭矩电流常数 (Motor Torque constant)	N.M/A	0.32
轴向负载 (Axial direction payload)	N	1625
径向负载(Radial direction payload)	N	2250
转子惯量(Rotor inertia)	gcm²	5675
电机重量 (Motor weight)	g	1700
减速机速比 (Reducer ratio)		35: 1
减速箱背隙(Backlash)	Arc min	15

热平衡点:以上热平衡点数据为我司在环境温度摄氏24度(无其他散热方式),温升60度条件下测得。 用户需根据测试环境温度及散热条件,合理设置额定工作区间。

MOTOR CHARACTERISTIC CURVE

											_	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%
												0.24	53.6	1.34	47.99	0.433	20.77	6.5
Pin(W)	U(V)	I(A)							Pout(W	NI/e/eeie) Eff(%)	0.35	53.6	1.94	47.99	0.445	21.36	9.0
. ,	- (-)										, , ,	0.64	53.5	3.56	47.99	0.482	23.13	15.1
400.0	55.0	8.0							400.0	60.0	100	1.16	53.3	6.48	47.99	0.551	26.47	23.9
360.0	49.5	7.2							360.0	54.0	90 -	1.93	53.1	10.76	47.98	0.653	31.38	33.7
300.0	49.5	1.2						_	300.0	34.0	90	2.94	52.9	16.31	47.98	0.777	37.31	43.1
320.0	44.0	6.4		N_		U		7	320.0	48.0	80	4.17	52.7	23.02	47.98	0.917	43.98	51.8
020.0	5							Eff	020.0	10.0	00	5.57	52.5	30.64	47.97	1.074	51.55	59.
280.0	38.5	5.6	+		_	-			280.0	42.0	70	7.11	52.5	39.04	47.96	1.256	60.26	64.5
			/									8.76	52.3	47.99	47.95	1.452	69.61	68.
240.0	33.0	4.8	/				Pin		240.0	36.0	60	10.49	52.2	57.35	47.95	1.658	79.49	72.
			/									12.30	52.1	67.05	47.94	1.873	89.79	74.
200.0	27.5	4.0							200.0	30.0	50	14.14	52.0	76.94	47.93	2.095	100.41	76.6
160.0	22.0	3.2							160.0	24.0	40	16.02	51.9	87.00	47.92	2.332	111.76	77.8
	22.0	3.2							100.0	24.0	40	17.93	51.8	97.25	47.91	2.568	123.04	79.0
120.0	16.5	2.4							120.0	18.0	30	19.87	51.7	107.58	47.91	2.806	134.42	80.0
120.0	10.0								120.0	10.0	00	21.88	51.6	118.31	47.90	3.056	146.36	80.8
80.0	11.0	1.6			Pou	4	\rightarrow	_	80.0	12.0	20	23.93	51.6	129.20	47.89	3.310	158.51	81.
												25.94	51.4	139.67	47.88	3.571	170.99	81.7
40.0	5.5	0.8				-		_	40.0	6.0	10	27.98	51.3	150.36	47.87	3.829	183.31	82.0
									TOL			29.99	51.2	160.88	47.86	4.081	195.35	82.3
				_	_				T(N.n	1)		32.00	51.1	171.27	47.85	4.337	207.57	82.
		0	12	2.0	24	4.0	36.0	48.0	60.0			34.02	51.0	181.65	47.85	4.601	220.13	82.
												36.00	50.9	191.93	47.83	4.864	232.71	82.
Description				T(N	l.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)	37.93	50.8	201.86	47.83	5.116	244.71	82.
No_Load Max Eff			0.2	0.24	53.6	1.34	47.99	0.433	20.77	6.5	39.84	50.7	211.61	47.82	5.361	256.41	82.	
				U.Z4	53.0	1.34			20.11		41.76	50.6	221.23	47.81	5.612	268.35	82.	
			33	33.35	51.0	178.19	47.85	4.512	215.90	82.5	43.61	50.5	230.40	47.80	5.865	280.36	82.	
mus_Ell						50.1	264.38	47.77	6.759		81.9	45.40	50.3	239.29	47.79	6.107	291.90	82.0
Max_Pout			50	0.39	322.89					47.12		50.2	247.80	47.79	6.333	302.66	81.9	
H T			50	0.39	50.1	264.38	47.77	6.759	322.89	81.9	48.76	50.1	255.88	47.78	6.549	312.94	81.8	
Max_Torque			30	0.39	50.1	204.30	47.77	0.759	322.09	01.9	50.39	50.1	264.38	47.77	6.759	322.89		
The End				50	0.39	50.1	264.38	47.77	6.759	322.89	81.9					Au	dit:	