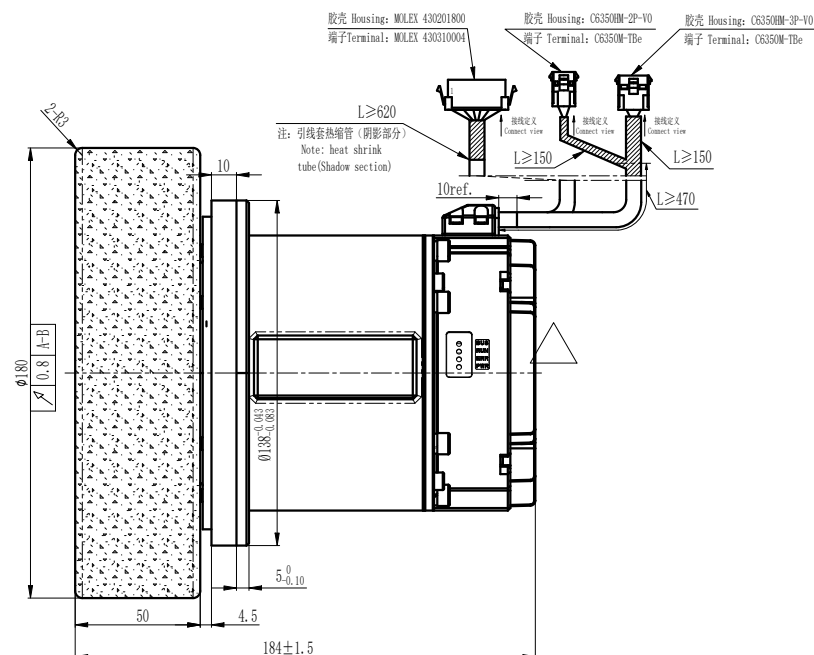
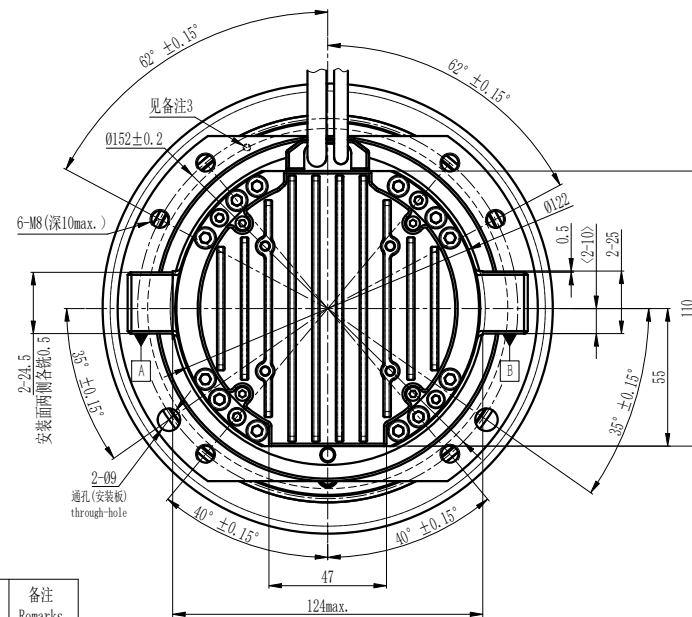
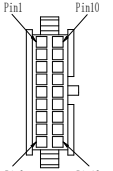
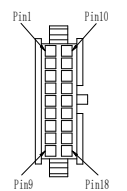


受控

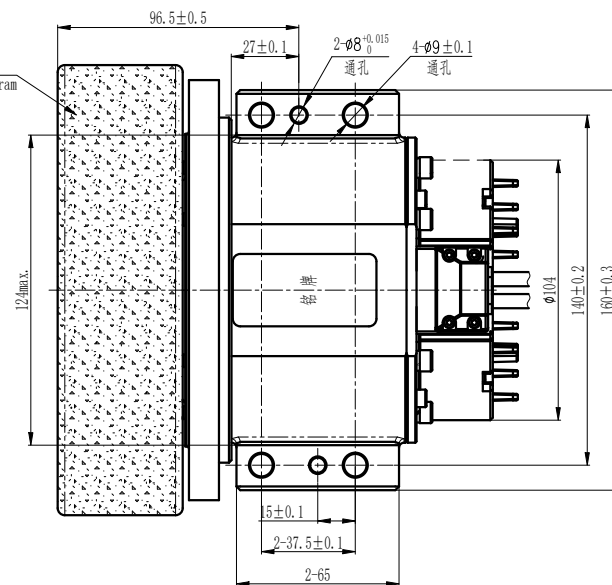
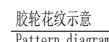
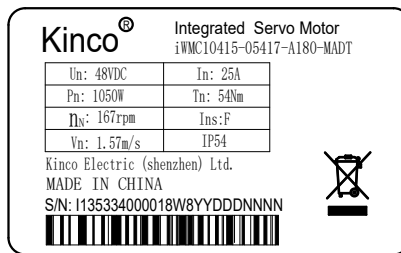


引线名称 Lead Name	引线条号 Pin No	信号定义 Definition	引线颜色 Colour	线径 Wire Diameter	连接器型号 Connector Models	备注 Remarks
反馈线 Feedback Wire	1	24V	RED 红色	28AWG	 <p>Pin1 Pin10</p> <p>Pin9 Pin18</p>	胶壳 Housing: MOLEX 430201800 端子Terminal: MOLEX 430310004
	2	NC				
	3	CANH	LT GN 浅绿色			
	4	CANH	PNK 粉色			
	5	485A	GRY 灰色			
	6	485A	YLW 黄色			
	7	OUT1+	VI 紫色			
	8	COM1	WT/BN 白棕			
	9	NC				
	10	GND	BLK 黑色			
	11	NC				
	12	CANL	LBL 浅蓝色			
	13	CANL	WT/BK 白黑			
	14	485B	WHI 白色			
	15	485B	GRN 绿色			
	16	COMO	OG 橙色			
	17	D11	WH/RD 白红			
	18	D12	WH/OG 白橙			



端子Terminal: MOLEX 430310004

铭牌
nameplate




引线名称 Lead Name	引线号 Pin No	信号定义 Defintion	引线颜色 Colour	线径 Wire Diameter	连接器型号 Connector Models	备注 Remarks
动力线 Power Wire	1	48V+	RED 红色	14AWG	 胶壳 Housing: G6350HM-3P-V0 端子 Terminal: G6350M-TBe	插件1 CONNECTOR
	2	NC				
	3	48V-	BLK 黑色	16AWG	 胶壳 Housing: G6350HM-2P-V0 端子 Terminal: G6350M-TBe	插件2 CONNECTOR
	1	RB+	BN 棕色			
	2	RB-	BLU 蓝色			

未注线性公差 Undeclared linear tolerance	
0.5~3	±0.2
>3~6	±0.3
>6~30	±0.5
>30~120	±0.8
>120~400	+1 2



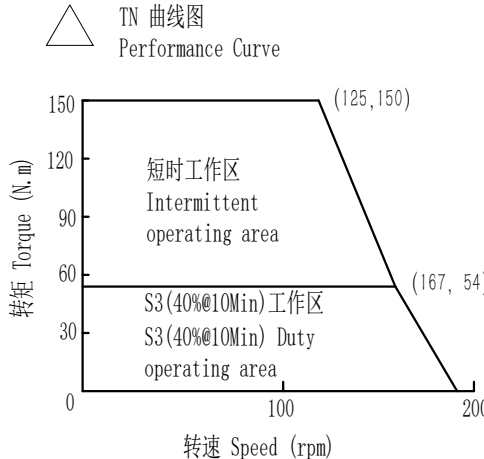



V1.3	△	变更4处, 详见图纸标识处
V1.0	/	原始版本
VER	Mark	版本记录Version record

ECN240362	2024-12-30
新发布	2023-02-26
归档方式ECN No	归档日期Date

批准Approve	HH	2024-06-28
标准化Standard	ZY	2024-06-28
工艺Technique	XC	2024-06-28
审核Check	WJH	2024-06-28
设计Design	LSJ	2024-06-28
评审Review	姓名Names	日期Data

料号Part No	307090350
型号Model	7WMC10415-05417-A180-MADT
版本Version	V1.3
比例Scale	1:1
投影法 Projection methods	

产品外形图 Product Outline Drawing
Kinco 步科
步科股份: 688160
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1	2	3	4	5	6	7	8	9	10	
1	技术参数 Technical Data 			<div></div> <div></div>						1
动力电源 Power (V)		48	2							
逻辑电源 Logic power (V)		24	3							
额定转矩 Rated torque (N.m)		54	4							
峰值转矩 Maximum torque (N.m)		150	5							
2	轮径 Wheel diameter (mm)		180	<div></div> TN 曲线图 Performance Curve						2
轮宽 Wheel width (mm)		50	3							
额定线速度 Rated linear speed (m/s)		1.57	4							
输入输出 input/output		2入1出	5							
通讯 Communicate		CAN	6							
3	调试 Shakedown test		485	<div></div> 短时工作区 Intermittent operating area						3
驱动器额定电流 Driver rated current		25Arms	4							
驱动器峰值电流 Driver peak current		100Ap(<2s)	5							
电机额定转速 Motor rated speed(rpm)		2500	6							
电机额定扭矩 Motor rated torque(N.m)		4	7							
4	整机重量 Overall weight (kg)		12.5	<div></div> S3(40%@10Min) 工作区 S3(40%@10Min) Duty operating area						4
环境要求 Environmental conditions		工作环境温度 Working environment temperature: 0℃~40℃; 存储温度 Storage temperature: -20℃~60℃; 使用和存储均为≤90%RH, 无结露; 90%RH (below) for use and storage, non-condensation; 聚氨酯胎面要求平整路面且无异物Polyurethane tread requires a flat road surface and no foreign objects.								5
说明 illustrate		标准产品胎面为聚氨酯;标准产品防护等级为IP54 The standard product tread is polyurethane; The standard product protection level is IP54								6
备注: 1、胶轮材质: 聚氨酯(防静电); 硬度: Shore 93A±2; 材质拉伸强度: ≥40MPa; 断裂伸长率: ≥440%; 撕裂强度: ≥105kN/m; 工作温度: -50°~80℃; wheel material: polyurethane (anti static); Hardness: Shore 93A ± 2; Material tensile strength: ≥ 40MPa; Elongation at break: ≥ 440%; Tear strength: ≥ 105kN/m; Working temperature: -50°~80 °C; 2、电机噪音: 65dB (A) (@1m, 2500rpm), 且不得有明显杂音、异音; Motor noise: 65dB (A) (@ 1m, 2500rpm);and there should be no Obvious noise and abnormal sound; 3、胶轮安装钢圈端面均布8-M3X6 (有效深) 螺钉孔, 螺钉孔节圆Ø144±0.2; The steel ring at the end of the caster has 8 evenly spaced M3X6(effective depth) threaded holes, and the round pitch of the bolt holes is Ø 144 ± 0.2; 4、单电机最大承载: 侧耳安装400kg; 法兰安装700kg;Maximum single motor loading: 400KG for side ear installation, 700KG for flange installation.; 5、工作制:S3, 40%@10Min; Duty type: S3, 40%@10Min.		减速器性能参数 Reducer performance parameters								7
参数项 Parameter item		单位Unit	参数值Values							8
速比 Ratio il		/	15	9						
容许额定输出扭矩 Nominal output torque		Nm	110	10						
容许最大输出扭矩 Maximum output torque		Nm	275	11						
容许额定输入转速 Nominal input speed		rpm	3000	12						
容许最高输入转速 Maximum input speed (rpm)		r/min	6000	13						
容许径向负荷 Max. radial load Fr (N)		N	7000	14						
容许轴向负荷 Max. axial load Fa (N)		N	1500	15						
效率 Efficiency		/	≥90%	16						
背隙 Backlash		arcmin	≤15	17						
未注线性公差 Undeclared linear tolerance		0.5~3 ±0.2		18						
0.5~3 ±0.2		±0.2		19						
>3~6 ±0.3		±0.3		20						
>6~30 ±0.5		±0.5		21						
>30~120 ±0.8		±0.8		22						
>120~400 ±1.2		±1.2		23						
VER Mark		版本记录Version record		24						
ECN No		归档日期Date		25						
评审Review		姓名Names		26						
日期Data		投影法		27						
产品外形图Product Outline Drawing		Kinco 步科 步科股份: 688160		28						
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