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1	技术参数 Technical Data			<div>TN 曲线图 Performance Curve</div>							1																																																																													
动力电源 Power (V)		48																																																																																						
逻辑电源 Logic power (V)		24																																																																																						
额定转矩 Rated torque (N.m)		80																																																																																						
峰值转矩 Maximum torque (N.m)		200																																																																																						
2	轮径 Wheel diameter (mm)		180								2																																																																													
轮宽 Wheel width (mm)		50																																																																																						
额定线速度 Rated linear speed (m/s)		1.18																																																																																						
输入输出 input/output		2入1出																																																																																						
通讯 Communicate		CAN																																																																																						
3	调试 Shakedown test		485								3																																																																													
驱动器额定电流 Driver rated current		27Arms																																																																																						
驱动器峰值电流 Driver peak current		100Ap(<2s)																																																																																						
电机额定转速 Motor rated speed(rpm)		2500																																																																																						
电机额定扭矩 Motor rated torque(N.m)		4.4																																																																																						
4	整机重量 Overall weight (kg)		12.5								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.																																																																																						
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																																																																																						
5				<div>受控</div>							5																																																																													
6	备注: 1、胶轮材质: 聚氨酯; 防静电: 电阻 $10^5\Omega \leq R \leq 10^7\Omega$; 硬度: Shore 93A±2; 材质拉伸强度: $\geq 40\text{MPa}$; 断裂伸长率: $\geq 440\%$; 撕裂强度: $\geq 105\text{kN/m}$; 工作温度: -50~80℃; wheel material: polyurethane; Anti static: resistance $10^5\Omega \leq R \leq 10^7\Omega$; Hardness: Shore 93A ± 2; Material tensile strength: $\geq 40\text{MPa}$; Elongation at break: $\geq 440\%$; Tear strength: $\geq 105\text{kN/m}$; 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;			<div>减速器性能参数 Reducer performance parameters</div> <table><tr><th>参数项 Parameter item</th><th>单位Unit</th><th>参数值Values</th></tr><tr><td>速比 Ratio il</td><td>/</td><td>20</td></tr><tr><td>容许额定输出扭矩 Nominal output torque</td><td>Nm</td><td>110</td></tr><tr><td>容许最大输出扭矩 Maximum output torque</td><td>Nm</td><td>275</td></tr><tr><td>容许额定输入转速 Nominal input speed</td><td>rpm</td><td>3000</td></tr><tr><td>容许最高输入转速 Maximum input speed (rpm)</td><td>r/min</td><td>6000</td></tr><tr><td>容许径向负荷 Max. radial load Fr (N)</td><td>N</td><td>7000</td></tr><tr><td>容许轴向负荷 Max. axial load Fa (N)</td><td>N</td><td>1500</td></tr><tr><td>背隙 Backlash</td><td>arcmin</td><td>≤15</td></tr><tr><td>防护等级 International Protection</td><td>/</td><td>IP54</td></tr></table>							参数项 Parameter item	单位Unit	参数值Values	速比 Ratio il	/	20	容许额定输出扭矩 Nominal output torque	Nm	110	容许最大输出扭矩 Maximum output torque	Nm	275	容许额定输入转速 Nominal input speed	rpm	3000	容许最高输入转速 Maximum input speed (rpm)	r/min	6000	容许径向负荷 Max. radial load Fr (N)	N	7000	容许轴向负荷 Max. axial load Fa (N)	N	1500	背隙 Backlash	arcmin	≤15	防护等级 International Protection	/	IP54	6																																															
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7	3、单电机最大承载: 侧耳安装400kg; 法兰安装800kg;Maximum single motor loading: 400KG for side ear installation, 800KG for flange installation.;; 4、工作制:S3, 40%10Min; Duty type: S3, 40%10Min.			<table><tr><td colspan="2">未注线性公差 Unmeasured linear tolerance</td><td></td><td></td><td></td><td></td><td></td><td>批准Approve</td><td>III</td><td>2025-01-19</td><td>料号Part No</td><td>307091513</td><td colspan="2">产品外形图Product Outline Drawing</td></tr><tr><td>0.5~3</td><td>±0.2</td><td></td><td></td><td></td><td></td><td></td><td>标准化Standard</td><td>ZY</td><td>2025-01-19</td><td>型号Model</td><td>iWMC10420-08012-A180-MADT</td><td colspan="2" rowspan="3"><div>Kinco 步科 步科股份: 688160</div><div>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited.</div><div>页码Page NoSheet 2 OF 2A2</div></td></tr><tr><td>>3~6</td><td>±0.3</td><td></td><td></td><td></td><td></td><td></td><td>工艺Technique</td><td>XC</td><td>2025-01-19</td><td>版本Version</td><td>B</td></tr><tr><td>>6~30</td><td>±0.5</td><td></td><td></td><td></td><td></td><td></td><td>审核Check</td><td>WJH</td><td>2025-01-19</td><td>比例Scale</td><td>1:1</td></tr><tr><td>>30~120</td><td>±0.8</td><td>VI.0</td><td>/</td><td>原始版本</td><td>新发布</td><td></td><td>设计Design</td><td>LSJ</td><td>2025-01-19</td><td>投影法</td><td></td><td colspan="2" rowspan="2"></td></tr><tr><td>>120~400</td><td>±1.2</td><td>VER</td><td>Mark</td><td>版本记录Version record</td><td>归档方式ECN No</td><td>归档日期Date</td><td>评审Review</td><td>姓名Names</td><td>日期Data</td><td>投影法 Projection methods</td></tr></table>							未注线性公差 Unmeasured linear tolerance							批准Approve	III	2025-01-19	料号Part No	307091513	产品外形图Product Outline Drawing		0.5~3	±0.2						标准化Standard	ZY	2025-01-19	型号Model	iWMC10420-08012-A180-MADT	<div>Kinco 步科 步科股份: 688160</div> <div>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited.</div> <div>页码Page NoSheet 2 OF 2A2</div>		>3~6	±0.3						工艺Technique	XC	2025-01-19	版本Version	B	>6~30	±0.5						审核Check	WJH	2025-01-19	比例Scale	1:1	>30~120	±0.8	VI.0	/	原始版本	新发布		设计Design	LSJ	2025-01-19	投影法				>120~400	±1.2	VER	Mark	版本记录Version record	归档方式ECN No	归档日期Date	评审Review	姓名Names	日期Data	投影法 Projection methods	7
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