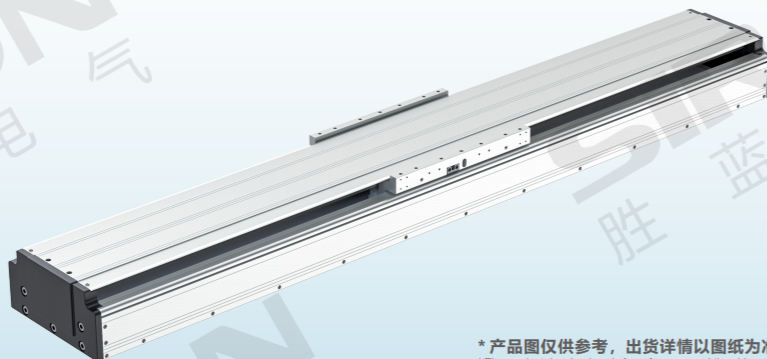


直线电机模组 M373-230系列

直線電気モジュール
Linear electrical module



* 产品图仅供参考，出货详情以图纸为准
* The product drawing is only for reference, and the shipment details are subject to the drawing

模组底座宽度 Module base width	230mm
防尘方式 Dust way	半封闭 Semi-closed
有效行程 Effective stroke	60 ~ 1140mm
编码器 The encoder	磁栅: 1μm; 光栅: 1μm Magnetic gate: 1μm; Grating: 1 microns

模组底座 Module base 230mm	最大行程 Maximum stroke 1140mm	高稳定性 High stability	寿命长 Long life
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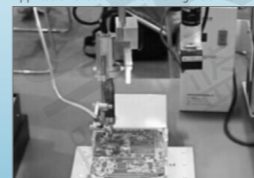
滑台模组喷涂往复式的应用

Application of sliding table module spraying to regenerator

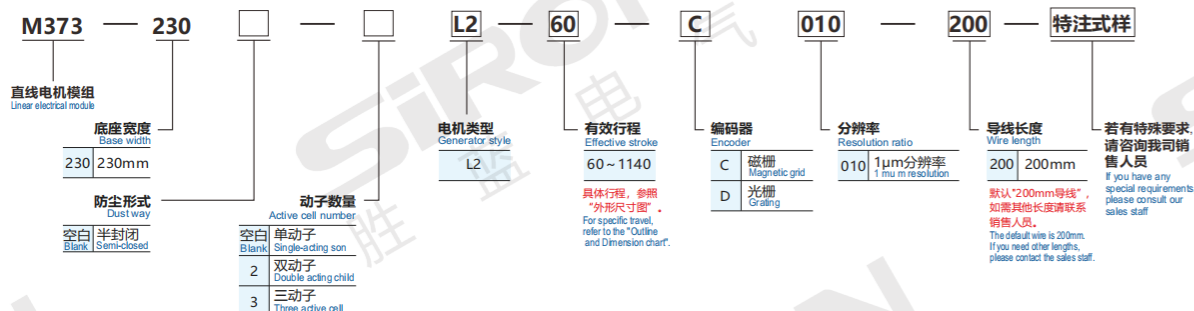


全自动焊锡机的应用

Application of automatic soldering machine



关于选型 About selection



选型举例：M373-230-L2-60-C010-200 为：M373系列，底座宽度230mm，半封闭，单主动子，电机类型L2，有效行程60mm，磁栅编码器分辨率为1μm，导线长度200mm。

Selection examples: M373-230-L2-60-C010-200: M373 series, base width 230mm, semi-closed, single actuator, motor type L2, effective stroke 60mm, magnetic gate encoder resolution 1μm, wire length 200mm.

注：1、默认“编码器磁栅(C010)、光栅(D010)”，若有其他精度要求，请咨询我司销售人员。

2、如需光电开关，请单独订购。

Note: 1. The default value is "encoder magnetic grating (C010), grating (D010)". If you have other precision requirements, please consult our sales staff.

2. If you need the photoelectric switch, please order it separately.

驱动器匹配表(选配) Driver Matching table (Optional)

驱动器品牌 Brand of drive	驱动器型号 Driver Type	配套编码器延长线缆 Supporting encoder extension cable	配套动力延长线缆 Supporting power extension cable
高创 Goron	M373-(06)(带接头)	磁栅： M373-(EC-MTE9PIN-线缆) 光栅： M373-(EC-MS15-线缆)	M373-(PWR-63080-4P-线缆)

注：1、上表匹配驱动器仅供参考，请根据实际情况咨询我司销售人员； 2、编码器和动力延长线长度需一致，线缆长度默认3M，需要其他线长请咨询我司销售人员；

3、M373-230 直线电机兼容市面上大多数品牌和型号的驱动器，若客户指定其他品牌，请咨询我司销售人员

Note: 1. The matching drive in the above table is for reference only, please consult our sales staff according to the actual situation;

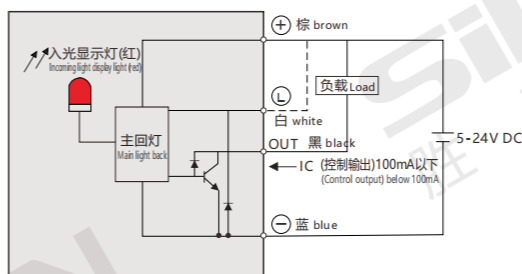
2. The length of encoder and power extension cable should be the same. The default cable length is 3M.

3. M373-230 linear motor is compatible with most brands and models of drives on the market. If customers specify other brands, please consult our sales staff

电机规格参数 Motor specifications and parameters

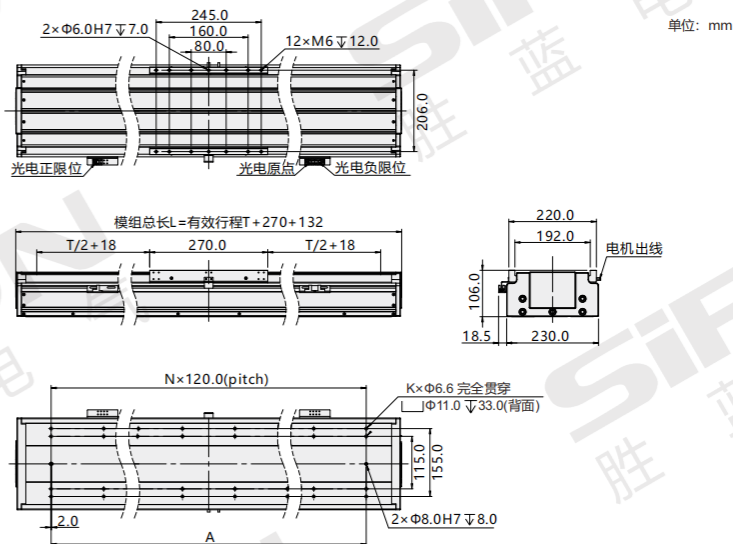
电机型号 Motor model		L2-W090			
峰值推力 Peak thrust		3846.0N	直线度 Straightness	±10μm/300mm	
持续推力 Continue to push		1099.0N	相间阻抗@25° Interphase impedance @25°	9.0 ohms	
峰值电流 Peak current		23.8Arms	相间电感 Phase-to-phase inductance	95.0mH	
持续电流 Sustained current		6.8Arms	电气时间常数 Electrical time constant	10.6ms	
电机常数@Tmax Motor constant@Tmax		44.0N/(W1/2)	最大端电压 Maximum terminal voltage	540Vdc	
最大持续耗散功率 Maximum continuous dissipated power		624.3W	最大绕组温度 Maximum winding temperature	130°C	
力常数 Force constant		161.6N/Arms	线圈重量 Coil weight	5.5KG	
反向电动势 Reverse electromotive force		132.3Vpeak/(m/s)	电周期长度 Electrical cycle length	30.0mm	
反馈 Feedback	磁栅 Magnetic grid	1.0μm分辨率 线缆长：200mm	安装方式 Installation method	水平安装/侧挂安装 Horizontal mounting/side mounting	
	光栅 Grating	1.0μm分辨率 线缆长：200mm			
重复精度 Repeat accuracy	磁栅 Magnetic grid	±5μm	负载 Load	在加速度1G、速度1000mm/s、驻留时间0.2s、 运行1000mm行程情况下：水平安装：负载≤80kg； 侧挂安装：负载≤60kg；最高运行限速：2000mm/s	
	光栅 Grating	±3μm			
导轨 Guide		内外嵌式四导轨 Inner and outer embedded four guide rails		模组重量 Module weight	60mm行程23.0kg(每增加60mm行程增加1.5kg)
原点感应器(外挂)		K016-A3/K016-A4(选配)			

感应器接线图 Inductor wiring diagram



外形尺寸图 Dimensions

半封闭 M373-230-L2



有效行程(T) Valid itinerary	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140
A	360	360	480	480	600	600	720	720	840	840	960	960	1080	1080	1200	1200	1320	1320	1320
L	462	522	582	642	702	762	822	882	942	1002	1062	1122	1182	1242	1302	1362	1422	1482	1542
K	16	16	20	20	24	24	28	28	32	32	36	36	40	40	44	44	48	48	48
N	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	11

分类
classification内嵌式丝杆型
Built-in lead screw type内嵌式丝杆型
Built-in lead screw type内嵌式推杆型
Built-in push-rod type内嵌式皮带型
Built-in belt type一般丝杆型
General screw type一般皮带型
General belt type无尘丝杆型
Dust free screw type无尘皮带型
Dust free belt type单轴滑台
Single axle slide table直线电机模组
Linear motor module