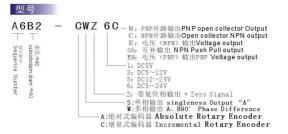




增量型 外径 40 型号: A6B2 INCREMENTAL ROTARY ENCODERS,OUTSIDE DIAM 40 MODEL: A6B2 替代型号SUBSTITUTE: E6B2

通用编码器



■ 特 点CHARACTERISTIC

- ●对应宽阔的电源电压DC5-24∨ (开路集电极型)
- ●外径 + 40备有到2000P/R的高分辨率。
- ●具备使Z相对合简单化的原点位置显示功能。
- ●轴负重、径向29.4N,推力向19.6N,允许量大幅度 提升。
- ●附有逆接、负荷短路保护电路,改善了可靠性。

●也备有线性驱动输出。 最大可延长长度100m为止

General−Purpose Rotary Encoder Withstands Large Shaft Loads

- Wide variety of supply voltages and output forms
- Easy-to-adjust zero index (phase Z) with origin indicating function High resolution models (2000 pulses per revolution) substantially improves measuring accuracy
- Rugged construction: 6 mm (0.24 inch) diameter shaft with radial load ratings of 3 kgf (21.7 ft*lbs) and axial load rating of 2 kgf (14.5 ft*lbs)
- Protected against short-circuit and reversed connections for highly reliable operation Available with Line Driver output

■应用实例APP-example











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通用编码器

■种类Ordering Information

◆本体ABSOLUTE F	OTARY ENCODERS
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电源电压 Supply Voltage	输出状态 Dutput Configuration		철 号 model	
DC5 [~] 24V NPN开路集电段输出 Open collector NPN cutput	NPN开路集中极输出	10, 20, 30, 40, 50, 60, 100, 200, 300, 360, 400, 500, 600		
	Open collector	1,000	型号A6B2-CWZ6C	
	Nie TV Odipuć	1,200, 1,500, 1,800, 2,000		
DC12 [~] 24V PNP开路集电影输出 Open collector PNP output	100. 200. 360. 500. 600			
		1,000	型号A6B2-CWZ5B	
	2,000			
DC5 [~] 12V ^{也压输出} Voltage output	山田榆山	10, 20, 30, 40, 50, 60, 100, 200, 300, 360, 400, 500, 600		
		1,000	型号A6B2-CWZ3E	
	1,200, 1,500, 1,800, 2,000			
线性驱动输出 DC5V Push Pull output	68.84 my chaite da	10, 20, 30, 40, 50, 60, 100, 200, 300, 360, 400, 500, 600		
			型号A6B2-CWZ1X	
		1,200. 1,500. 1,800. 2,000		

注,订货时,除型号外,还一定要指定分解率。

:表格中为标准分辩率、不标准的可订货生产。

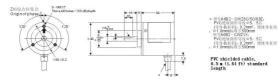
■种类ACCESSORIES

种类Description	문 Part number	备 注 Remark	
	◎型号E69-C06B	開子 商品 Fitstwo6mm (0.24 in) dia.shafts; supplied with each encoder	
	◎型号E69-C68B	Shaft coupler Fits one 6 mm (0.24 in) and 8 mm (0.32 in) dia. Shaft	
根合部 Shaft coupler	◎型号E69-C10B	小时间行行型 Fits one 6 mm (0.24 in) and 10 mm (0.39 in) dia. Shaf	
	◎型号E69-C06M	金属型 material; aluminum metal	
法兰盘	◎型号E69-FBA	· · · · · · · · · · · · · · · · · · ·	
Mounting flange	○型号E69-FBA02	何服装置用实装配件 附属于型号B66~2	
全局压钩配件 Mounting bracket, 型号E69-2 set of three		-	

■外形尺寸Dimensions (单位Unit: mm)



型号model:A6B2



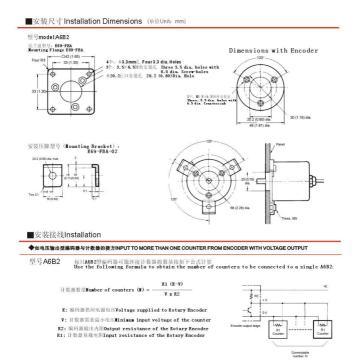






增量型 外径 40 型号: A6B2 INCREMENTAL ROTARY ENCODERS,OUTSIDE DIAM 40 MODEL: A6B2 替代型号SUBSTITUTE: E6B2

通用编码器





旋转编码器 ROTARY ENCODERS



增量型 外径 Φ 40 型号: A6B2 替代型号SUBSTITUTE: E6B2

■ 额定/性能SPECIFICATIONS

项目 型号 ITEM MODEL				型号A6B2-CWZ1X
也源电压 Powersupplyvoltage	DC5V-5%~24V+15% 脉冲(p-p)5%以下	DC12V -10%~24V+15% 脉冲(p-p)5%以下	DC5V-5%~12V+10% 账冲(p-p)5%以下	DC5V±5% 脉冲(p-p)5%以下
消耗电流 Currentconsumption	80mA以下	100mA以		160mA以下
分辨率(脉冲/旋转) Resolution(See Note 1)	10. 20. 30. 40. 50. 60. 100. 200 300. 360. 400. 500. 600. 1,000. 1,200. 1,5000. 1,8000. 2,000.	100. 200. 360. 500. 600. 1,000. 2,000	10, 20, 30, 40, 50, 60, 100, 200, 300, 360, 400, 50 1,000, 1,200, 1,5000, 1,9000, 2,000,	
输出相 Output phases	A、B、Z相			A、A、B、B、Z、Z相
输出相位差 Phase difference of output	A限、B用的相位 Ξ50±45" (14±1.8T)			
输出状态 Output form	NPN 开路输出 Open collectorNPN output	PNP开路输出 Open collector PNP output	电压输出 Voltage output	线性驱动输出*2 Line driver output
输出容量 Output capacity	外加地田、DC30Vは下 In Voltage。DC30Vmax 同参北道、35mAU下 In-sink::35mAmax 中間地田、35mAU下 Pesidual voltage:04 Vmax (確由地道) 35mAPJ (In-sink:35mA))	同步电流: 35mA以下 In-sinka: 35mAmax 残留电压: 0.4V以下 Residual voltage: 0.4 V max (输出电流)35mA时 (In-sinka: 35mA))	输出电用:2kの Output resistance:2kの 輸出电流:35mA以下 Sink current 35 mA max 技術电振:0.4V以下 Residual voltage:0.4V max (輸出电流):35mA时	AM26LS31相当品 输出电流 H径; Io=20mA High level L位; Is=20mA 输出电压 V0=2.5V反上min Low level Vs=0.6V反下max
最高应答频率 Maximum response frequency	100kHz	50kHz 100		lkHz
输出上升、下降时间 Outputrise and fall times	1ms以下 (控功输出电压: 5V 负荷电阻1k Ω、导线长: 2m)	1ms以下 (将线长: 2 m 同步电流: 10mA)		1 ms以下 (特线版: 2m lo=-20mA、Is=20mA)

机械性能 参数 Mechanical Spe			
起动转矩 Startion Torque 惯性力矩Woment of Inertia		0.98mN + M以下 1×10-8g - m2以下(169/46)的以下。3×10-7kg + m2以下	
Shaft loading	推力Thrust	19.6N	
允许安装精度 Mounting Iolerance		侧面误差 Baclial:0.03mm IIR Max: 正向误差 Axial: 0.2mm Max: 角度误差Shaft Rumout: 0.1 Max	
输量大负荷 Allowable Shaft Load		径向Radial: 5N, 轴向 Axial: 3N	
允许最高转速Maxirnun Rotating Speed		6,000r/min	
环境温度 Operating Temp Range		工作时; -10~+70℃、(16行时; -25~85℃(不结动)	
环境湿度Humidity		工作时,保存时, 各35~85%RH(不结局)	
绝缘电阻 Insulation resistance		100M P 以上(DC 500V 据表) 先电部操体"异外壳间	
漏电压		AC 500V 50.60Hz 1min 充电器整体与外壳间	
振动(耐久)Vibration resistance		10-500Hz 上下一步追溯2mm 读150m/s ² 、X、Y、Z 各力间 1 次11min 3 次	
冲击(耐久)Shock resistance		1,000m//s*, X、Y,Z 签方向3 次	
保护结构 Degree of protection		IEC現的 Ip50	
连接方式 Connection		导线引出型(标准导线长cablelength: 500mm)	
质量 Weight		#3100g	
附件 Accessories		耦合器, 六角扳手, 使用说明书	

因此,旋转超过最高响应转速时无法对电信号进行追踪。

Note:

- The maximum electrical response revolution is determined by the resolution and maximum response frequency as follows:
- Maximum electrical response frequency (rpm)

 - Maximum response frequency : resolution x 60
 This means that the A6B2 encoder will not operate electrically if its shaft speed exceeds the maximum electrical response revolution.

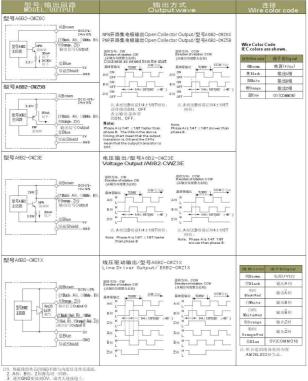






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■输出段回路图OUTPUT CIRCUIT DIAGRAMS



The line driver output circuit is an RS-422 A data transmission circuit consisting of two balanced output lines. The relationship between the two output lines is on an equal status. This means that if the level of the signal on a line is H, the level of the signal on the other line is L. The noise-resistant line driver output circuit assures high-speed data transmission