





ORDERING CODE

ISC	38	06	401	G	1024	BZ	1	5	L
1	2	3	4	5	6	7	8	9	10

1	ISC: Type series		2	38: housing diameter Φ38mm				3	6: Shaft diameter Φ6mm	
4	401: Sequence number		5	C: Plug radial	H: Plug axial	G: Cable radial	E: Cable axial	J: Rectangle plug radial	T: Rectangle plug axial	
6	1024: Number of pulses									
7 Output signals	A: A phase	AL: A phase and Z phase 					AZ: A phase and Z phase 			
	B: A,B phase	BL: A,B phase and Z phase 					BZ: A,B phase and Z phase 			
8	Width of Z phase(Tz)		No number: No demand about Z phase; 1: TZ=1T; 2:TZ=1/2T; 3: Tz=1/4T							
9	Supply voltage		5: 5V DC;			5-12: 5-12V DC;		12-24: 12-24V DC		
10 Output circuit	C: Open collector NPN		F: Push pull		E: Voltage		L: Line driver AM26LS31			
	H: Line driver MC3487		D: Line driver SN75113				T: Line driver 26ET31B			

Caution for using
It may cause malfunction if below instructions are not followed

1. Encoder is consisted of precision components, therefore please treat this product carefully. Do not put strong impact when insert coupling into shaft. Do not connect and cut circuit off during power on, it may result in damage to the encoder.
2. Do not connect encoder and drive rigidly to one another at shafts and flanges. Always use couplings to prevent shaft overload.
3. To mount a hollow shaft encoder, we recommend the use of a pin and with torque stop slot or a stator coupling.
4. In order to be able to compensate an axial and radial misalignment of the shaft, the encoder flange must not be fixed rigidly. Fix the flanges by means of a stator coupling as torque support or by means of a cylindrical pin.
5. For the installation, please check the assembly dimension of mate target, and then try to make the offset between them not occur.
6. When the power source is a switching power, please install the surge absorber in power line and wire should be short in short in order not to be influenced by noise. Depending on the application the maximum allowed cable length can be shorter, especially in areas with strong electrical noise.
7. Do not let the strong impact loads on the encoder, otherwise the error pulse may occur as if the code-wheel is revolving. Please fix the encoder firmly when mount it in order to avoid malfunction by residual vibration.
8. If use the cable of encoder and high voltage line or power cable in the same conduit, it may cause a malfunction or mechanical trouble. Please keep the encoder connection cables as far away from the power cables as possible and running them in parallel or use separated conduit.
9. Please check wire and response frequency when extend wire, distortion of waveform or residual voltage increment by line resistance or capacity between lines.

SELECTION GUIDE OF ENCODER

VERSION OF TYPE SERIES

1	I (Incremental encoder)		A (Absolute encoder)	
2	S(Solid shaft)	H(Hollow shafte)	C(Cone shaft)	N(No shaft)
3	C(Common type)	H(Shock resistance type)	M(Manual type)	F(Flameproof type)
	T(Wide working temperature range)		A(Through-hole hollow shaft type)	
	L(Flange adapters type)	R(High response frequency)	N(Synchronous flange type)	
	W(Sine wave type)	S(Airtight type)	U(With uvw phase type)	

Output circuit, Output diagram and Output wave

Output circuit	Code	Output diagram	Output wave
Open collector NPN output	C		Have the same output wave as F when a resistance between output point and Vcc
Push pull output	F		
Voltage output	E		
Line driver output	D 75113		
	L AM26LS31		
	T 26ET31B		
	H MC3487		
With uvw phase to check and measure the magetic pole position of AC motor			

A leads B when the shaft is rotated in the clockwise direction viewing the shaft or collet end.
B leads A when the shaft is turned in the clockwise direction viewing the shaft or collet end.