Model 760 Commutated Thru-Bore / Blind-Bore





Features

- Size 25 / 63.5 mm Dlameter (Hollow Shaft)
- Up to 12 Pole Commutation Available
- · Thru-Bore or Blind-Bore Options
- Simple, Innovative Flexible Mounting System
- Incorporates Opto-ASIC Technology

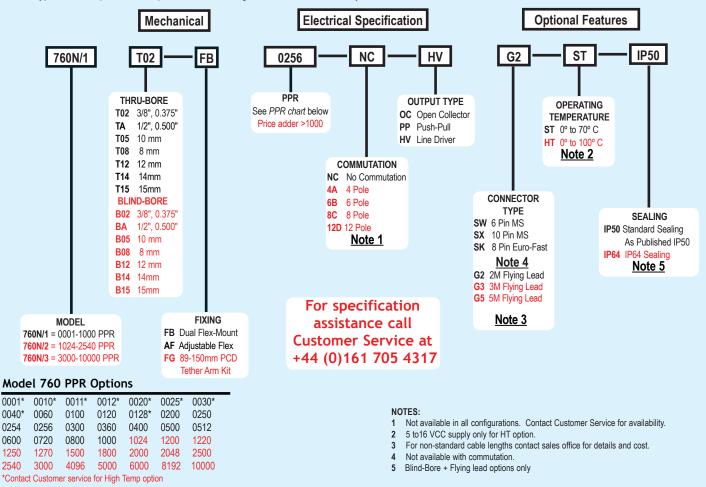
The 760N encoder is configured with either a full thru-bore (which may be fixed at either end of the shaft), or with a blind-bore which uses the front shaft fixing only. The encoder body is retained by means of 2 flexible mountings, or by a single adjustable radius fixing, which compensate for minor shaft misalignment. This encoder can now be provided with commutation signals for use with brushless motor control. Output circuits available include 5-24V RS422, 5-24V push-pull or 5-24V input / NPN open-collector. This encoder also now uses the same pioneering Opto-Asic technology used in the model 260 encoder.

Common Applications

Brushless Servo Motor Commutation, Robotics, Motor-Mounted Feedback, Assembly Machines, Digital Plotters, High Power Motors

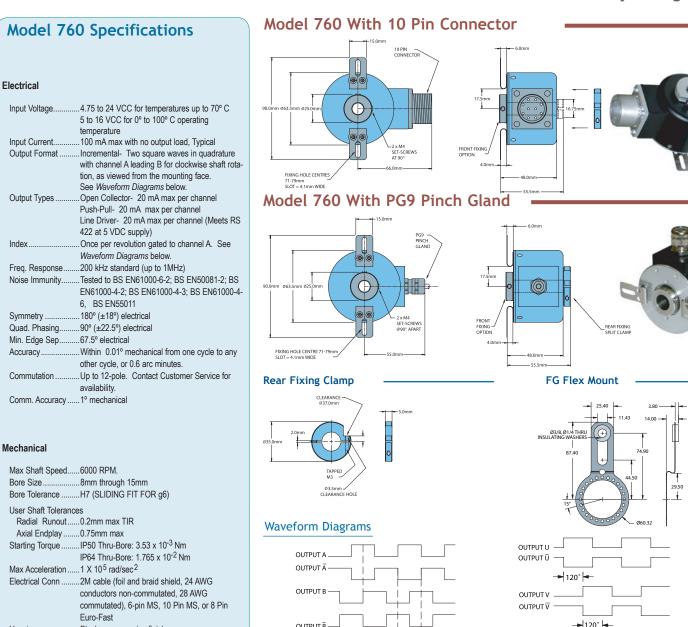
Model 760 Ordering Guide

Red type indicates price adder options. Not all configuration combinations may be available. Contact Customer Service for details.



Contact Customer Service for other disc resolutions; not all disc resolutions available with every commutation option.

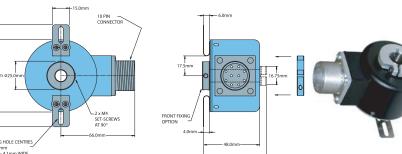
Model 760 Commutated Thru-Bore / Blind-Bore

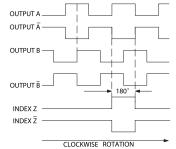


		IP64 Thru-Bore: 1.765 x 10 ⁻² Nm
Max Acc	eleration	.1 X 10 ⁵ rad/sec ²
Electrica	Conn	.2M cable (foil and braid shield, 24 AWG
		conductors non-commutated, 28 AWG
		commutated), 6-pin MS, 10 Pin MS, or 8 Pin
		Euro-Fast
Housing.		.Black non-corrosive finish
Mounting	1	.Dual adjustable radius Flex Mount standard, or
		single adjustable radius options.
Weight		.600 gms typical

Environmental

Operating Temp	.0° to	70° C for standard models	
	0° to	100°C for high temperature	option
Storage Temp	-40°	to +100° C	
Humidity	.98%	RH non-condensing	
Vibration	.10 g	@ 58 to 500 Hz	
Shock	.50 g	@ 11 ms duration	
Sealing	IP50	; IP64	





NOTE: ALL DEGREE REFERENCES ARE ELECTRICAL DEGREES

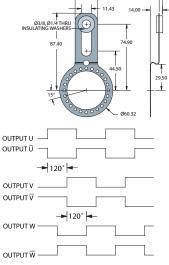
Wiring Table - With Commutation

Function	Cable Wire Color		
Com	Black White Brown Yellow		
+VDC			
Α			
Α'			
В	Red		
В'	Green Orange Blue		
Z			
Z'			
U	Violet		
ט'	Gray		
٧	Pink		
V'	Turquoise		
W	Red/Green		
W'	Red/Yellow		
Shield	Bare *		

NOTE: ALL DEGREE REFERENCES ARE ELECTRICAL DEGREES. Wiring Table - Non-Commutation

CW ROTATION OF SHAFT AS VIEWED

15 100				
Function	Gland Cable Wire Color	8-pin M12 _{HV}	10-pin MS _{HV}	6-pin MS PP, OC
Com	Black	7	F	F
+VDC	White	2	D	D
Α	Brown	1	Α	А
Α'	Yellow	3	Н	
В	Red	4	В	В
Β'	Green	5	I	
Z	Orange	6	С	С
Z'	Blue	8	J	
Case			G	
Shield	Screen			



trumeter

innovation by design