ENCODER
HOLLOW SHAFT
E-54H/T

EXCELLA ELECTRONICS



FEATURES

- Encoder designed for Induction motor feedback applications
- Through and blind bore upto 16mm
- Robust design less than 52 mm diameter size with gland and dicast covers
- Shatter proof polycarbonate disk
- Designed with many options including various types of connectors and mounting flex
- Collet clamp for fixing motor shaft
- LED power compensated for aging and temperature
- Robust ASIC based design
- Robust electrical design capable of taking surge across supply voltage
- Output stage with long distance cable driving capability

Environmental characteristics

Vibration Resistance	10G, 10---2000Hz as per IEC 60068-2-6, more possible contact factory
Shock Resistance	100G, 6ms as per IEC 60068-2-27, more possible contact factory

Mechanical characteristics

Shaft Load Capacity	Radial 10kg, Axial 10kg
Max. Speed	6000 RPM
Protection IEC60529	IP50, IP65
Working temperature range	-10...+70℃ -20...+100℃ (IP50)
Material	Shaft : stainless steel Grade 303 alternative Grade 304 Housing : Cast Alloy Cover : Cast Alloy
Weight	Below 170 grams

Electrical Characteristics

	TTL / RS422	PP	PPLD / HTL	OC	HV	HVLD
Power Supply	4.85 … 5.25 VDC (Ripple Peak to Peak 5%)	4.85 … 26 VDC (Ripple Peak to Peak 5%)				
Power consumption [No Load]	40mA					
Permissible load / Channel	15mA	20mA	20mA	20mA	15mA	15mA
Pulse Frequency	100 kHz	300 kHz	300 kHz	50 kHz	100 kHz	100 kHz
Short circuit proof output	No	Yes	Yes	Yes	Yes	Yes
Reverse polarity protection of the power supply	Yes					
Sensing Method	Optical					
Surge protection as per IEC61000-4-5 500V	No	Yes	Yes	Yes	Yes	Yes
Duty Cycle	180° ± 18°					

E-50H/T
Slotted Flexmount
Ø46 & Ø63mm=SF10

BLIND ENCODER LENGTH
FS = FRONT SIDE CLAMPING

THRU ENCODER LENGTH

