MKH80 series Hollow-Shaft Incermental Rotary Encoder



Application

Measure the distance ,angle, position acceleration,automatic controlrotob
X-Y laborprinting,molding machine,packing machine,machin tool and ETC

Featuers

Miniature size,easy assembling
2quadrature output channel(A&B） +index signal
Resolution up to 5000 pulses

MKH80	15	C	1000	BK	—
MKH80	Shaft 10=Ø 10mm … 45=Ø 45mm	Cable lead out: C=Plug connection at side G=Cable lead out at side H=Pulg connection behind E=Cable leda out behind	Pulses P/R 100 200 250 360 400 500 512 600 800 1000 1024 1200 1440 1500 1600 1800 2000 2400 2500 2600 2800 3000 3200 3500 4000 4200 4096 5000	Output signal A=A phase B=A,B phase BM=A,B,Z phase BK=A+,B+,Z+,A-,B-,Z-	—：————IP50 6：———IP65 8：———IPX8

Output circuit	open collector	voltage output	push pull	line driver output
Power vcc	5 ~30v	5 ~30v	5 ~30v	5±0.25/ 5 ~30v
Current	≤80mA	≤80mA	≤80mA	≤80mA
High-level output	80mA	80mA	80mA	80mA
Low-level output	min vcc*80%	min vcc*80%	min vcc*80%	min vcc*80%
Rise time tr	max 0.3v	max 0.3v	max 0.3v	max 0.3v
Fall time tr	max 1us	max 1us	max 1us	max 1us
Max trsponding frequency	300kHZ	300kHZ	300kHZ	300kHZ

max speed(r/min)	starting torque	max.shaft loading	Shocking	vibration
6000	0.01Nm	radial160N axial80N	50g/11ms	10g 10-2000hz
rotor inertia	working temperature	storage temperature	protection grade	weight
4*10(-8)kgm(2)	-30~85℃	-30~95℃	IP51/IP65	750g

signal	A	B	Z	A-	B-	Z-	Vcc	Gnd 0v
color	green	white	yellow	brown	gray	orange	red	black

