

· Two Channel Hall Effect Encoder

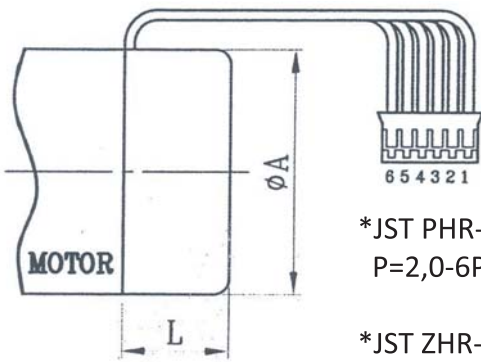
· One Channel Hall Effect Encoder

Magnetic Encoders for M2

★ 20%~85%RH
Operating relative humidity

★ -10°C
Operating temperature rang

APPEARANCE SIZE



*UL1061 AWG26
UL1007 AWG26

Suggested
Connectors

*JST PHR-6 AMP 175788
P=2,0-6P Molex 51065
JST PH

*JST ZHR-6
P=1,5-6P JST PH

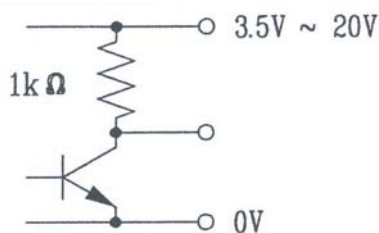
★ WITHOUT CAP

øA	L	COUNTS POLES OF PER TURN (PPR)	
		Current	Limit
*ø12	★ 6,5	2, 6 (1, 3)	6 (3)
*ø16	★ 6,5	2, 6 (1, 3)	6 (3)
ø20	★ 8,5	2, 6 (1, 3)	6 (3)
ø27,3	12,6	2, 6, 14, 26 (1, 3, 7, 13)	26 (13)
ø32,3	14,3	14, 26 (7, 13)	26 (13)
ø35,3	13,5	14, 26 (7, 13)	26 (13)
ø42,5	15,5	2, 10, 38 (1, 5, 19)	38 (19)

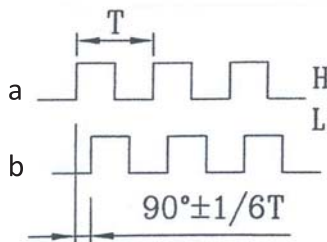
Electrical Characteristics

Characteristics	Symbol	iTEST CONDITIONS	MIN	REF.	MAX	UNITS
Supply Voltage	V _{cc}	---	3,5	-	20	K
Output Saturation Voltage	V _{ce(sat)}	V _{cc} =14V ; I _c =20mA	-	300	700	mV
Output Leakage Current	I _{cex}	V _{ce} =14V ; V _{cc} =14V	-	< 0,1	10	µV
Supply Current	I _{ce}	V _{cc} =20V Output open	-	5	10	mA
Output Rise Time	t _r	V _{cc} =14V ; R _L =820Ω ; C _L =20pF	-	0,3	1,5	µS
Output Fall Time	t _f	V _{cc} =14V ; R _L =820Ω ; C _L =20pF	-	0,3	1,5	µS

Output Circuit:



Two Channel
Output Wave:



One Channel Encoder Connections:

1. Black : -Motor
2. Red : +Motor
3. Brown : Hall Sensor V_{cc}
4. Green : Hall Sensor GND
5. Blue : Hall Sensor A V_{out}
6. Purple : Empty

Two Channel Encoder Connections:

1. Black : -Motor
2. Red : +Motor
3. Brown : Hall Sensor V_{cc}
4. Green : Hall Sensor GND
5. Blue : Hall Sensor A V_{out}
6. Purple : Hall Sensor B V_{out}