

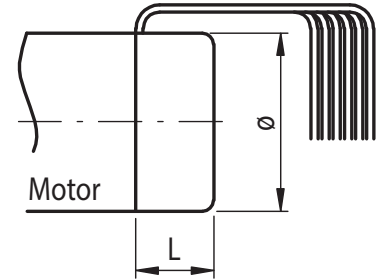
Encoder

Magnetic Incremental Type

One and Two Channel Hall Effect



Outside Dimensions		Pulses/Rev.	Length of Leads	Connector	
Diameter	Length L				
12 mm	6.5 mm*	2x3	100 mm	JST ZHR-6 P=1.5-6P	
15.4 mm	6.5 mm*	2x3			
20.3 mm	8.5 mm*	2x3	100 mm	JST PHR-6 P=2.0-6P	
30 mm	12.6 mm	2x6, 2x7			
32 mm	14.3 mm	2x7			
36 mm	13.5 mm	2x7			
42.5 mm	15.5 mm	2x5	100 mm	JST PHR-6 P=2.0-4P Molex 09-50-3021 P=3.96-2P	
52 mm	18.0 mm	2x5			
54 mm					



* without cover

Rel. Humidity: 20 to 85% | Ambient Temp.: -10 to +60 °C

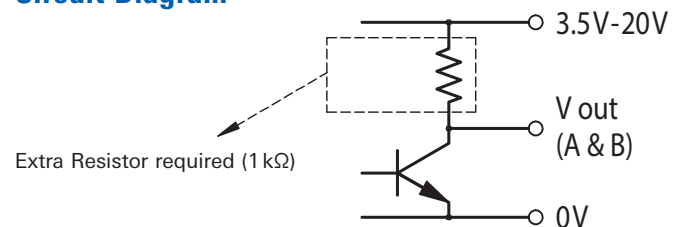
Technical Data

Supply Voltage	3.5-20V
Output Voltage	300-700 mV (14V, 20 mA)
Output Leakage Current	0.1-10 µA (14V)
Current Consumption	5-10 mA (20V)
Signal Rise Time	300-1500 ns (14V, 820 Ω)
Signal Fall Time	300-1500 ns (14V, 820 Ω, 20 pF)

Connections

Two Channels		One Channel	
1. Black	- Motor	1. Black	- Motor
2. Red	+ Motor	2. Red	+ Motor
3. Brown	Hall Sensor Vcc	3. Brown	Hall Sensor Vcc
4. Green	Hall Sensor GND	4. Green	Hall Sensor GND
5. Blue	Hall Sensor A Vout	5. Blue	Hall Sensor A Vout
6. Purple	Hall Sensor B Vout	6. Purple	Hall Sensor B Vout

Circuit Diagram



Output Signal

