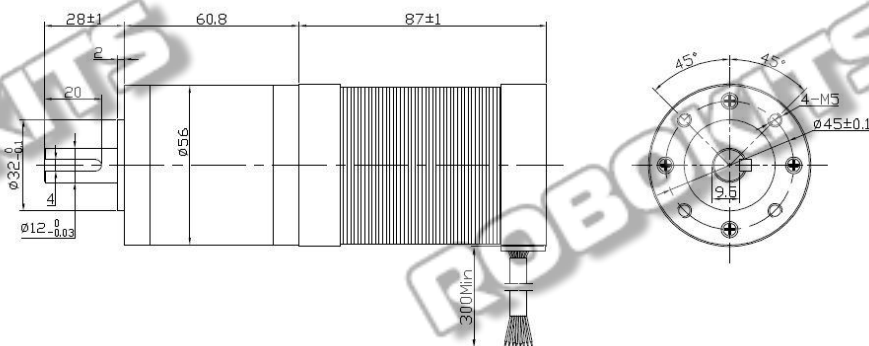


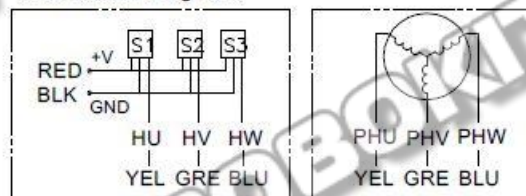
**Model Number**  
**RMCS-2071**

# NEMA23 Planetary Geared BLDC Motor 210Kgcm 30RPM 100W

## Mechanical Drawing (Dimensions are in mm)



Connection diagram:



Hall sensor cable  
Note: hall sensor power supply  
voltage +5 to +20VDC

Wiring cable

## Technical specifications of Motor

Motor Type	Planetary Geared BLDC
Operating voltage	24V DC
Motor Speed at Output Shaft (RPM)	30RPM
Gear ratio	1 : 96
Rated Torque(Kgcm)	210Kgcm
Shaft Dia	12mm
Weight	2.5Kg

### Electrical Connections

+5V	RED
HALL U	YEL
HALL V	GRE
HALL W	BLU
GND	BLK
PHASE U	YEL
PHASE V	GRE
PHASE W	BLU

### Base Motor Specifications

Number of poles	4
Phase to phase resistance	0.44 Ohms
Nominal voltage	24 VDC
No load speed	3800 RPM
No load current	1 Amps Max.
Rated torque	0.33 N-m
Rated speed	3000 RPM
Output power	103W
Back EMF constant	6.3 V/kRPM
Torque constant	0.06 N-m/A
Insulations class	B

