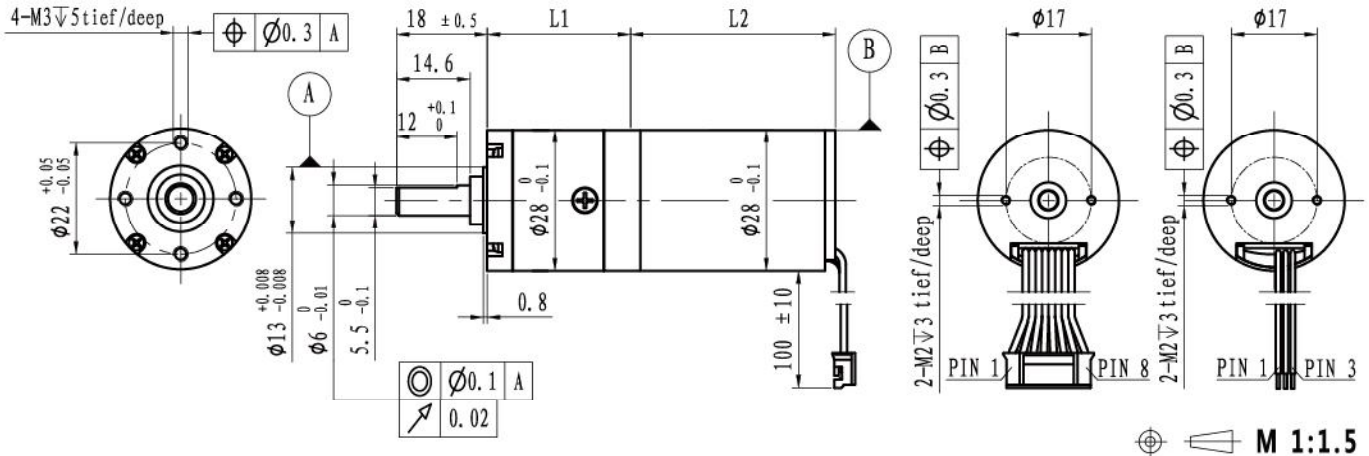


A: With Hall Sensors

B: Sensorless



ECG28..L
ECG28..S P28

Motor type

1 Length of motor L1	ECG2845S/L	mm	45	Motor performance at P19.
	ECG2854S/L	mm	54	Motor performance at P20.
	ECG2864S/L	mm	64	Motor performance at P21.
	ECDG2854S	mm	54	Motor performance at P44.
	ECDG2863S	mm	63	Motor performance at P45.

Gearhead Data

2 Housing material		Steel
3 Geartrain material		Steel
4 Bearing type on output shaft		Ball bearing
5 Max. radial load (10mm from flange)	N	58.8
6 Max. axial load	N	29.4
7 Radial play of shaft	mm	0.04
8 Thrust play of shaft	mm	0.4
9 Backlash at no load	°	2
10 Max. continuous speed	rpm	36000
11 Operating temperature range	°C	-30..+100
12 Number of stages		1 2 3 4
13 Max continuous torque	Nm	1.55 2.1 2.6 3.1
14 Max. intermittent torque	Nm	3.1 4.2 5.2 6.2
15 Max. efficiency	%	90 83 77 72
16 Gearhead length L2	mm	28.4 34.7 41 47.3
17 Ratio	X:1	4.4, 5.2, 6.7, 8.3 15.1, 16.9, 18, 20.1, 23.1, 25.6, 27.6, 29.3, 31.8, 35, 43.5, 55.2, 61.7, 68.7, 77.1, 87.6, 100.6, 109, 120, 125, 129, 134.1, 139.8, 144.7, 149.1, 154, 166.8, 183.8, 211.7, 243, 264.5, 290, 335.9, 385.5, 411.4, 494.8, 528, 630, 677.6, 705.8, 759.7, 860.4, 964.7, 1069, 1158, 1276, 1523, 1755, 2014, 3051, 3792, 4713

Connection

Connection A (Sensor)

PVC	
Pin 1 Vhall 3-18 VDC	AWG26 black
Pin 2 Hall sensor HA	AWG26 black
Pin 3 Hall sensor HB	AWG26 black
Pin 4 Hall sensor HC	AWG26 black
Pin 5 GND	AWG26 black
Pin 6 Motor winding MA	AWG26 black
Pin 7 Motor winding MB	AWG26 black
Pin 8 Motor winding MC	AWG26 black
Connector	JST PH2.0-8P

Connection B (Sensorless)

PVC	
Pin 1 Motor winding MA	AWG26 yellow
Pin 2 Motor winding MB	AWG26 green
Pin 3 Motor winding MC	AWG26 blue

Configuration

Pinion: Metal/Plastic
Ball bearing: Preload
Flange: Standard frange front&back/customize the frange
Shaft: Length/Diameter/Cut face/double shaft/hollow shaft
Leadwire: PVC/Silicon/Teflon/UL No/Dimensions/length
Connector: JST/MOLEX/TE

More:
Special design for high speed/high torque
ECD series can be chosen in some application
Details please contact our sales engineer