

# BLDC Motor Planetary Gearbox Type PL52Z-BL52.91



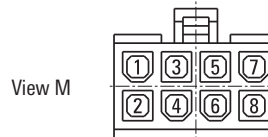
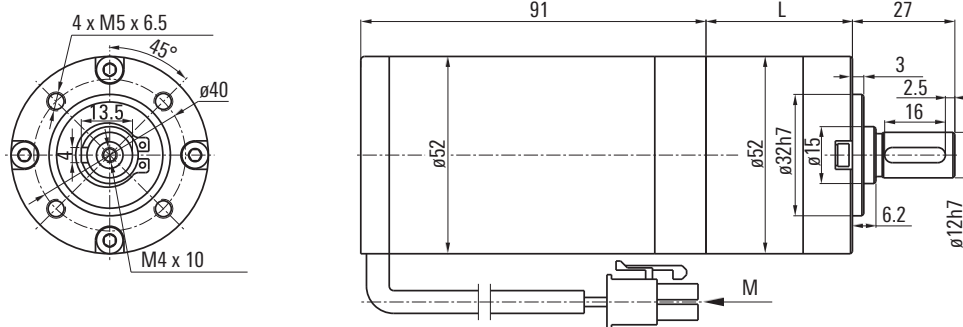
- High Torque
- Low Noise
- Long Life

## Gearmotor

Gear Ratio	3.65	5.36	6.55	8.63	14	19	25	28	34	45	58	67	81	91	103	119	128	146	165	192	232	302	393
Rated Speed (min <sup>-1</sup> )	822	560	458	348	222	159	122	107	89	67	52	45	37	33	29	25	24	21	18	16	13	9.9	7.6
Rated Torque (Ncm)	42	61	75	99	144	196	258	289	351	464	598	623	753	846	957	1106	1190	1357	1534	1785	2157	2500	2500
Reduction Stage	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3

Above ratings refer to motor model 2440-30S

Rel. Humidity: 20 to 85% | Ambient Temp.: -10 to +80°C | Net Weight max. 2.0kg



No. of Stages	Gear Ratio	Length (mm)
1	3.65 - 8.63	38.6
2	14 - 58	54.2
3	67 - 393	69.8

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	+Vcc

## Motor

Model	Rated Voltage V	Rated Power W	No Load Current A	No Load Speed min <sup>-1</sup>	Rated Current A	Rated Speed min <sup>-1</sup>	Rated Torque Ncm
2440-30S	24	40	0.8	4000	2.5	3000	12.7
2460-30S	24	60	1.0	4200	4.0	3000	19.1

## Gearbox

### Helical Gearing

No. of Stages	1	2	3
Max. Rated Torque (Ncm)	400	1200	2500
Max. Peak Torque (Ncm)	800	2400	5000

**Ball Bearing** Radial Load (FR): 450 N | Axial Load (FA): 150 N

## Options

Encoder
Rear Shaft
Special Shaft