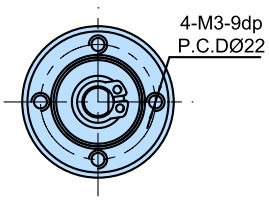
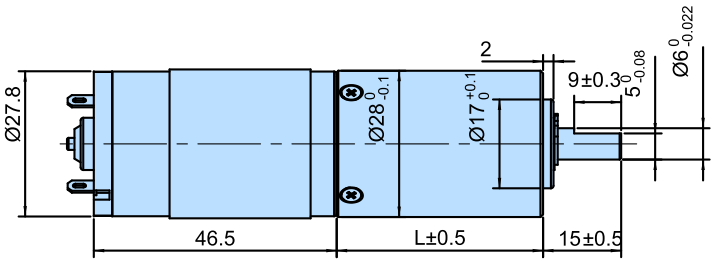
PG28395

PG28 + DC395 | 4 windings | 11 reduction ratios







Dimensions in mm. Housing length L is listed in the ratio table.

MOTOR SELECTION | DC395

Winding	124500	126000	244500	246000
Voltage (V)	12	12	24	24
No-load speed (rpm)	4500	6000	4500	6000
Rated speed (rpm)	3879	5359	3990	5200
No-load current (mA)	110	180	90	300
Rated current (mA)	470	770	270	490
Rated torque (gf.cm)	95	119	104	140
Rated power (W)	3.79	6.54	4.27	7.73

Motor parameters measured at 20 °C ambient.

RATIO SELECTION & PERFORMANCE | PG28

Ratio :1	Gear stages	Length L mm	Max. cont. torque kgf.cm	Breaking torque kgf.cm	Efficiency %	Assembly ref. weight g
5	1	25.9	20	60	91	169.6
18.5	2	33.2	50	150	82	187.8
26	2	33.2	50	150	82	187.8
69	3	39.5	100	300	72	205.9
96	3	39.5	100	300	72	205.9
134	3	39.5	100	300	72	205.9
255	4	45.8	100	300	60	224.6
356	4	45.8	100	300	60	224.6
696	4	45.8	100	300	60	224.6
943	5	52.1	100	300	50	242
1319	5	52.1	100	300	50	242

Reference assembly weight includes the gearbox and DC395 motor (103 g).

PG28395 | MECHANICAL DATA & MATERIALS

MOTOR | MECHANICAL DATA & MATERIALS

Motor diameter / body length	27.8 mm / 46.5 mm
Motor reference weight	103 g
Housing material	Zinc-plated steel
Winding material	Enameled copper wire
Magnet material	Ferrite
Brush material	Metal graphite
Insulation class / pole pairs	UEW / 2
Working lifespan	400 hours

GEARBOX | MECHANICAL DATA & MATERIALS

Gearbox diameter	28 mm
Output shaft diameter / extension	6 mm / 15 mm
Housing material	Powder Metallurgy (Fe)
Gear material	Powder Metallurgy (Fe) / Plastics
Gear design	Helical Gear / Spur Gear
Output shaft bearing	Ball Bearing
Lubricant	Graphene oil
Gear module	0.5
Axial play	≤ 0.2 mm
Radial play	≤ 0.1 mm
Backlash	≤ 1.5°
Operating temperature	-30 ~ 65 °C