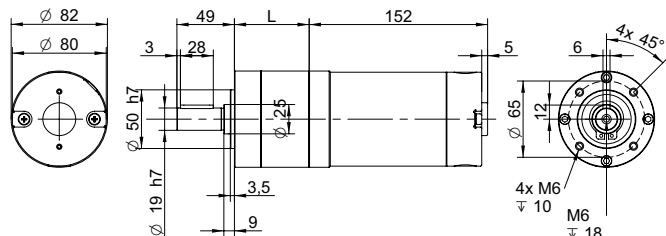


DRAWING (mm)



PHOTO

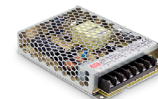


MODEL NO. DESIGNATION

PD82152A - VOLTAGE - GEAR RATIO

Example: PD82152A-12-3.6

ACCESSORIES



● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

GEAR MOTOR DATA

		3.6:1	5.3:1	6.5:1	8.6:1	13:1	18:1	24:1	28:1	33:1	44:1	58:1	67:1	81:1	91:1	102:1	118:1	127:1	145:1	165:1	191:1	231:1	301:1	392:1	C	
Gear ratio																										
Nominal torque	Nm	0.95	1.4	1.7	2.3	3.2	4.4	5.8	6.6	8.0	10	14	14	17	19	22	25	27	31	35	41	49	64	83		
Nominal speed	rpm	820	560	460	350	220	160	120	110	88	67	52	45	37	33	29	25	23	21	18	16	13	9.9	7.6		
Nominal power	W	82	82	82	82	74	74	74	74	74	74	74	67	67	67	67	67	67	67	67	67	67	67	67		
Gearbox peak torque	Nm	40	40	40	40	120	120	120	120	120	120	120	240	240	240	240	240	240	240	240	240	240	240	240		
Gearbox efficiency	%	90	90	90	90	81	81	81	81	81	81	81	73	73	73	73	73	73	73	73	73	73	73	73		
Gearbox length   L	mm	63.7	63.7	63.7	63.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2		
Weight	kg	4.5	4.5	4.5	4.5	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9		

OTHER GEAR MOTOR DATA

Service life	h	2000																							
Performance tolerances	%	±15																							
Operating temperature	°C	-10 to 80																							
Noise level <sup>1</sup>	dB(A)	60																							
IP rating		IP20																							
Manufacturing standard		ISO 9001																							
CE label   UL label		No   No																							

BRUSHED DC MOTOR DATA

Nominal voltage	V	12																							
No load speed	rpm	3500																							
No load current	A	2.5																							
Nominal speed	rpm	3000																							
Nominal torque	mNm	290																							
Nominal current	A	11																							
Nominal power	W	90																							
Varistor EMC	V	No																							
Capacitor EMC	V	No																							
Insulation class		B																							
Power harness		AWG16 UL1015																							
Power harness length	mm	300																							

NOTES

1. Measured 1 m from gear motor while brushed DC motor is running at 3000 rpm.

GEARBOX DATA

Radial load	N	1000																							
Shaft axial load	N	200																							
Bearing type		Ball bearing																							
Motor pinion material		Metal																							
Motor pinion shape		Straight																							
Material gear stage		Metal																							
Direction of rotation		CCW or CW by reversed V polarity																							
Assembly front bell	mm	12																							