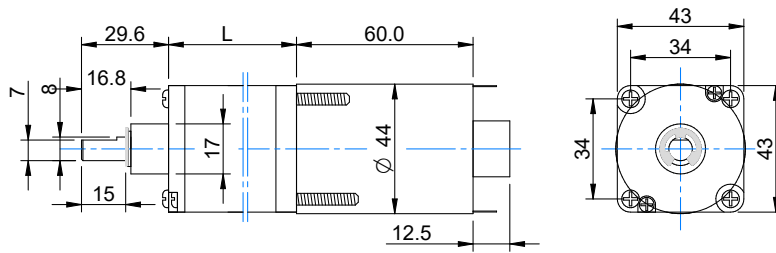


PDS4360 / Ø 43mm / 12W / 13W

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

PDS4360 - VOLTAGE - REDUCTION

Example: PDS4360-12-4

ADDITIONAL

GEAR MOTOR DATA

Reduction	4:1	14:1	24:1	49:1	60:1	75:1	84:1	103:1	144:1	171:1	210:1	259:1	294:1	325:1	361:1	443:1	504:1	619:1	864:1
Nominal torque 12 V (Nm) *	0.14	0.44	0.76	1.40	1.74	2.14	2.40	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
Nominal speed 12 V (rpm) *	725	207	120	59	48	39	34	28	20	17	14	11	10	9	8	7	6	5	3
Nominal torque 24 V (Nm) *	0.14	0.44	0.76	1.40	1.72	2.14	2.4	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
Nominal speed 24 V (rpm) *	800	228	133	65	53	43	38	31	22	19	15	12	11	10	9	7	6	5	4
Length (mm)	80.2	87.8	87.8	95.6	95.6	95.6	95.6	95.6	95.6	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4
Weight (g)	540	600	600	660	660	660	660	660	710	710	710	710	710	710	710	710	710	710	710

* Nominal speed and nominal torque have a tolerance of $\pm 15\%$

GEAR HEAD DATA

Reduction	4:1	14:1	24:1	49:1	60:1	75:1	84:1	103:1	144:1	171:1	210:1	259:1	294:1	325:1	361:1	443:1	504:1	619:1	864:1
Max. continuous torque (Nm)	0.58	1.96	1.96	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
Intermittently permissible torque (Nm)	0.78	2.54	2.54	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43
Efficiency (%)	90	81	81	73	73	73	73	73	66	66	66	66	66	66	66	66	66	66	66
Length (mm)	20.2	27.8	27.8	35.6	35.6	35.6	35.6	35.6	35.6	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
Weight (g)	190	250	250	310	310	310	310	310	360	360	360	360	360	360	360	360	360	360	360

GEAR MOTOR FEATURES AND STANDARD DATA

	STANDARD	CUSTOMIZATION OPTIONS
Type	Planetary gear brush dc gear motor	
Motor type	Iron core. brush commutation	Winding parameters
Motor brush type	Carbon brushes	
Motor terminals	Soldering terminals	Wiring harnesses. cables. connectors
EMC filter	No	Yes
Gear material	Metal	
Motor pinion material	Plastic	Metal
Bearing	Sleeve bearing	
Shaft	Hardened stainless steel	Dimensions
Environmental protection	IP55 (with encoder IP50)	
Operating temperature	-10...+60 °C	- 40...+60 °C
RoHS compliance	Yes	
CE label	Yes	Yes

MOTOR DATA

Nominal voltage (V)	12	24
No load speed (rpm)	3700	4000
No load current (A)	1.2	0.6
Nominal speed (rpm)	2900	3200
Nominal torque (mNm)	39	39
Nominal current (A)	1.8	1.0
Stall torque (mNm)	220	245
Starting current (A)	10	5
Output (W)	12	13
Length (mm)	60	60
Weight (g)	350	350