

BLDC Planetengetriebemotor / planetary geared BLDC motor PG42BL42

Motordaten		Motor Data	
Ausführung	Model	BL42126000	BL42246000
Nennspannung	Rated voltage	12VDC	24VDC
Leerlaufstrom [A]	No load current [A]	0,35	0,28
Leerlaufdrehzahl [U/min]	No load speed [rpm]	6000	6000
Nennstrom [A]	Rated Current [A]	4,6	2
Nennndrehzahl [U/min]	Rated speed [rpm]	5155	4930
Nennndrehmoment [mNm]	Rated torque [mNm]	79	72
Nennleistung [W]	Rated power [W]	41	38
Spitzenleistung [W]	Max. output power [W]	90	93
Blockademoment [mNm]	Stall torque [mNm]	588	479
Blockadestrom [A]	Stall current [A]	27	14,5



Getriebedaten		Gear Data	
Ausführung	type of gear box	Planetengetriebe / planetary	
Gehäuse	Housing	Metall / metal	
Ausgangslager	Bearing at output	ball or sleeve	
Drehmoment	Torque	max. 20Nm (depends on ratio)	
Welle	Shaft	Ø8x22mm	

Übersetzungen	Ratios				
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7	10.2, 13.7 19.2	32.5 , 50.9 71.2.99.5	139, 188 , 264 369 , 516	699, 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	33.6	44.9	56.2	67.5	78.8
Max. Gear Running torque	50kgf-cm	100kgf-cm	200kgf-cm	200kgf-cm	200kgf-cm
Max. Gear Breaking torque	100kgf-cm	300kgf-cm	600kgf-cm	600kgf-cm	600kgf-cm
Gearing efficiency	90%	81%	73%	65%	59%

Abmessungen **Dimension** **Anschlussschema** **connection diagram**

