DC Gear Motor 1.61.077.XXX

Type 1.61.077.XXX

		Characteristics*				max.	Terminal	Stages	Gear
		Rated current	Rated torque	Rated speed	No load speed	Torque*	resistance		ratio
V =	XXX	I_N / A	T_N / mNm	n_N / rpm	n_O / rpm	T_{max} / mNm	Ra / Ω		
12 V	410	1.400	100	900	1215	100	2.7	1	3.4
	411	1.400	300	260	355	420	2.7	2	11.6
	412	1.400	550	140	190	770	2.7	2	21.4
	413	1.400	1000	75	105	1400	2.7	2	39.7
	414	0.850	1000	40	60	1400	4.8	3	72.0
	415	0.850	1800	23	33	2520	4.8	3	135.0
	416	0.550	2000	14	18	2800	4.8	3	250.0
24 V	420	0.700	100	900	1215	100	10	1	3.4
	421	0.700	300	260	355	420	10	2	11.6
	422	0.700	550	140	190	770	10	2	21.4
	423	0.700	1000	75	105	1400	10	2	39.7
	424	0.425	1000	40	60	1400	18	3	72.0
	425	0.425	1800	23	33	2520	18	3	135.0
	426	0.275	2000	14	18	2800	18	3	250.0

Operational conditions			
Temperature range	T	°C	-10 - +70
Axial force	F_A	N	10
Radial force, 5 mm from mounting surface	F_R	N	30

* at 25 °C

Design	
Weight	250 g
Gear housing	Plastic
Commutator	Copper / 7-segments
RFI protection	2 chokes
Insulation class	Winding H, otherwise A
Protection class	IP40
Commutation	carbon brushes
Armature	sintered, straight slot
Magnet system	Permanent magnets, 2-pole
Bearings	2 sintered bronze bearings
Motor housing	Steel, corrosion protected
Motor end shields	brush end plastic drive end zinc die-cast
Planetary gear	Plastic gears
Axial play output shaft	0.05 - 0.6 mm

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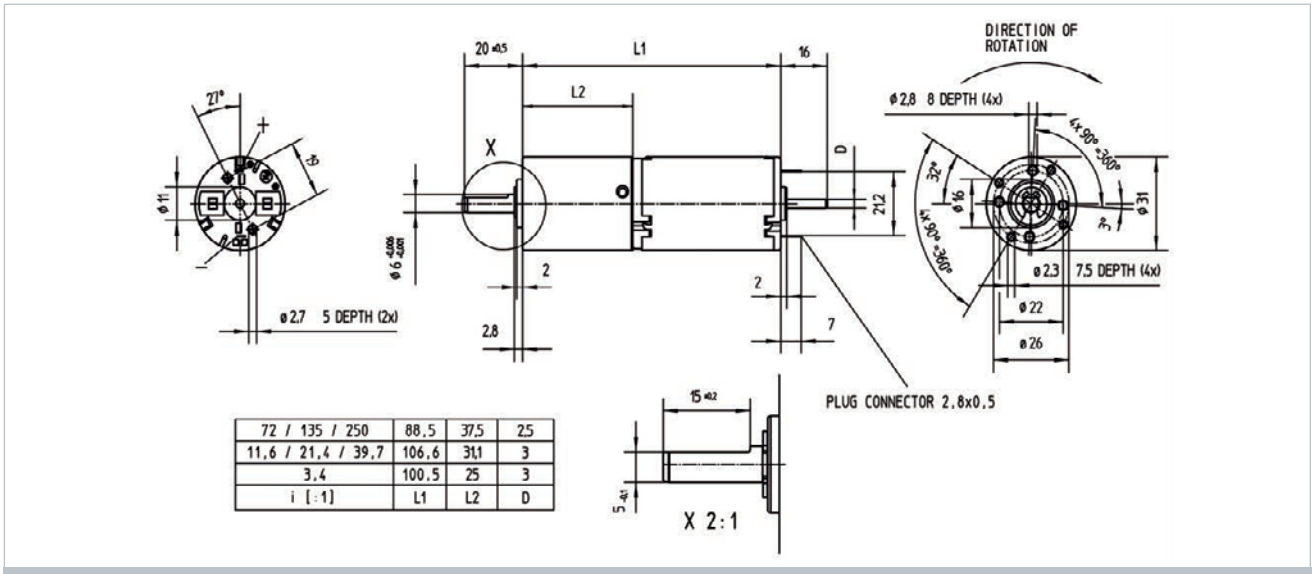

72 / 135 / 250	88,5	37,5	25
11,6 / 21,4 / 39,7	106,6	31,1	3
3,4	100,5	25	3
i [:1]	L1	L2	D

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self tapping screw EJOT DELTA PT® K30 for Ø 2.3 bore may be used

Customized versions

The following modifications are available upon request:

- **Encoder possible**
- **Internal ckokes and/or capacitors**
- **Speed adjustment by winding change**
- **Addition of wire harnesses**
- **Modification of shaft length**
- **Modification of shaft configuration (flat, groove, etc.)**
- **Assembly of gears, pinions, etc.**
- **Assembly of adapters and mounting plates**
- **Gear ratio i=6.3 on request**