

DC Gear Motor

1.61.070.XXX

Type 1.61.070.XXX

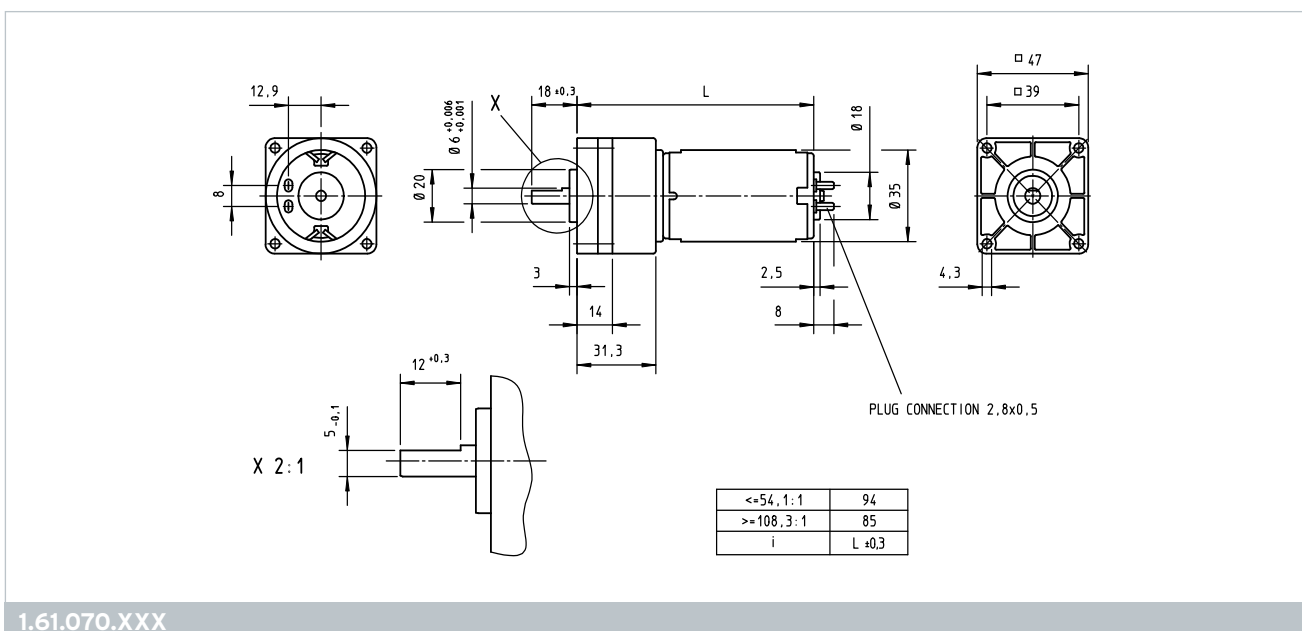
V =	XXX	Characteristics			max. Torque*	Terminal resistance	Stages	Gear ratio
		Rated current I_N / A	Rated torque T_N / mNm	Rated speed n_N / rpm				
12 V	304	1.400	650	103	910	2.7	2	25.2
	305	1.400	1300	53	1820	2.7	2	54.1
	306	1.050	1300	28	1820	4.2	2	108.3
24 V	324	0.720	650	103	910	12	2	25.2
	325	0.700	1300	53	1820	12	2	54.1
	326	0.500	1300	28	1820	18	2	108.3

Operational conditions

Temperature range	T	°C	-10 - +70
Humidity at room temperature	rel. F.	%	15 - 55
No condensation		$\text{g H}_2\text{O} / \text{m}^3$	2 - 25
Axial force	F_A	N	8
Radial force, 5 mm from mounting surface	F_R	N	40
Operating mode at T_N			S5

* at 25° C

Design	
Weight	220 g
Gear housing	Plastic
Commutator	Copper / 8-segments
RFI protection	2 chokes
Insulation class	Winding H, otherwise A
Protection class	IP40
Commutation	Graphite/copper-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	on both sides zinc die-cast
Wolfram gear	Plastic gears
Axial play output shaft	0.05 - 0.6 mm



Customized versions

The following modifications are available upon request:

- ▶ Encoder or incremental encoder
- ▶ External RFI board
- ▶ Speed adjustment through winding change
- ▶ Lead sets
- ▶ Shaft length
- ▶ Shaft configuration (flat, grooved, etc.)
- ▶ Drive configuration
- ▶ Adapters and mounting plates