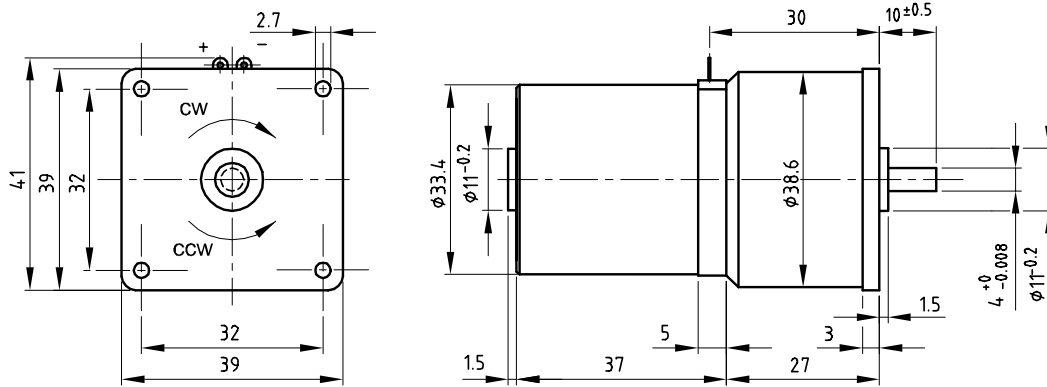


Dimensional drawing



Gear Motor data

Gear motor Order number	Gear ratio	Direction of rotation	Nominal voltage [V]	Maximal voltage [V]	Maximum torque continuous [Nm] (nominal load)	Maximum torque intermittent [Nm]	Speed at no load [rpm]	Speed at nominal load [rpm]	Current at no load [mA]	Current at nominal load [mA]	Maximal radial force [N]	Maximal axial force [N]
			6	7.2			0.015	0.03	660	520		
9904 120 52 +	5.57:1	cw	401	7.2	0.015	0.03	660	520	85	350	2	2
601			12	14.4			614	525	55	170		
701			24	28.8			646	540	30	90		
402	9:1	cw	6	7.2	0.025	0.05	415	310	85	350	2	2
602			12	14.4			380	310	55	170		
702			24	28.8			400	335	30	90		
403	16.7:1	ccw	6	7.2	0.05	0.1	215	170	85	350	4	4
603			12	14.4			205	170	55	175		
703			24	28.8			218	180	30	90		
404	27:1	ccw	6	7.2	0.08	0.16	133	112	85	350	4	4
604			12	14.4			130	107	55	175		
704			24	28.8			135	113	30	90		
405	50:1	cw	6	7.2	0.15	0.3	75	58	85	350	6	6
605			12	14.4			67	57	55	175		
705			24	28.8			73	60	30	90		
406	81:1	cw	6	7.2	0.15	0.3	45	39	85	240	6	6
606			12	14.4			42	39	55	150		
706			24	28.8			44	41	30	67		
407	150.4:1	ccw	6	7.2	0.15	0.3	24	21	85	165	8	8
607			12	14.4			23	22	55	90		
707			24	28.8			24	23	30	50		
408	243:1	ccw	6	7.2	0.15	0.3	15	14	85	140	8	8
608			12	14.4			15	14	55	80		
708			24	28.8			15	14	30	42		
409	451.25:1	cw	6	7.2	0.15	0.3	8.2	8.1	85	120	10	10
609			12	14.4			8	7.8	55	75		
709			24	28.8			8	7.8	30	35		
411	729:1	cw	6	7.2	0.15	0.3	4.8	5	85	110	10	10
611			12	14.4			4.8	5	55	70		
711			24	28.8			4.8	5	30	33		

Motor data

	Nominal Voltage [V]	Rotor resist. [Ohm]	Speed at no load [rpm]	Stall torque [mNm]	Torque const. [mNm/A]
9904 120 524..	6	3.6	3800	23	14
9904 120 526..	12	15	3550	23	30
9904 120 527..	24	58	3550	23	61

General data

*	Type of bearings	sleeve
*	Commutation system	graphite / copper
*	Gear material	plastic
*	Axial play	0.5 mm
*	Ambient temp. range operating	-20/+60 °C
*	Ambient temp. range storage	-40/+70 °C
*	Thermal resistance winding-ambient	30 K/W
*	Mass of gear motor	125 g

Options : Special shafts /Other supply voltages

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