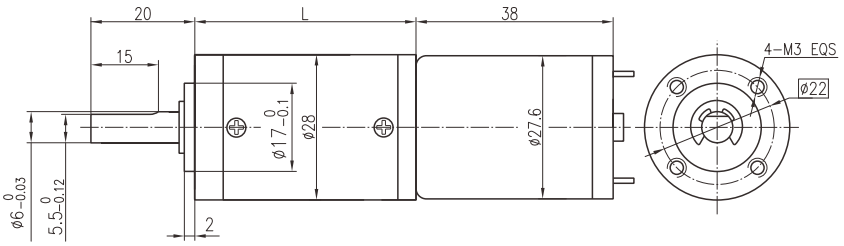
PM DC Planetary Gear Motor *(Ring Gear Material: Metal)*

28JN30K/28ZY38

28mm OD Planetary Gearbox,
Permissible Load Range: 0.3N.m~3.0N.m

Dimensions



Motor Technical Data

Type	Rated voltage VDC	No-load speed r/min	No-load current mA	Rated speed r/min	Rated torque mN.m	Output power W	Rated current mA	Stall torque mN.m	Stall current A
28ZY38-1240	12	4000	80	2600	7	1.86	350	20	0.75
28ZY38-1250	12	5000	100	3450	7	2.48	370	21.5	0.90
28ZY38-2450	24	5000	70	3800	7	2.78	230	25	0.70

Gear Motor Technical Data

28ZY38-1240 DC Motor

Reduction ratio		3.7	5.2	14	19	27	51	71	100	139	189	264	369	516	720
Number of gear trains		1	1	2	2	2	3	3	3	3	4	4	4	4	4
Length(L)	mm	29.0	29.0	36. 1	36. 1	36. 1	43. 0	43. 0	43. 0	43. 0	49. 9	49. 9	49. 9	49. 9	49. 9
No-load speed	r/min	1078	772	286	211	148	78	56	40	29	21	15	11	7.8	5.6
Rated speed	r/min	701	502	186	137	96	51	37	26	19	14	9.8	7.0	5.0	3.6
Rated torque	N.m	0.023	0.033	0.079	0.11	0.15	0.26	0.36	0.51	0.71	0.86	1.2	1.7	2.4	3.6
Max. permissible load in a short time	N.m	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9.0	9.0	9.0	9.0	9.0

28ZY38-1250 DC Motor

Reduction ratio		3.7	5.2	14	19	27	51	71	100	139	189	264	369	516	720
Number of gear trains		1	1	2	2	2	3	3	3	3	4	4	4	4	4
Length(L)	mm	29.0	29.0	36. 1	36. 1	36. 1	43. 0	43. 0	43. 0	43. 0	49. 9	49. 9	49. 9	49. 9	49. 9
No-load speed	r/min	1348	965	357	263	185	98	70	50	36	26	19	14	9.7	6.9
Rated speed	r/min	930	666	246	182	128	68	49	35	25	18	13	9.3	6.7	4.8
Rated torque	N.m	0.023	0.033	0.079	0.11	0.15	0.26	0.36	0.51	0.71	0.86	1.2	1.7	2.3	3.0
Max. permissible load in a short time	N.m	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9.0	9.0	9.0	9.0	9.0

28ZY38-2450 DC Motor

Reduction ratio		3.7	5.2	14	19	27	51	71	100	139	189	264	369	516	720
Number of gear trains		1	1	2	2	2	3	3	3	3	4	4	4	4	4
Length(L)	mm	29.0	29.0	36. 1	36. 1	36. 1	43. 0	43. 0	43. 0	43. 0	49. 9	49. 9	49. 9	49. 9	49. 9
No-load speed	r/min	1348	965	357	263	185	98	70	50	36	26	19	14	9.7	6.9
Rated speed	r/min	1024	734	271	200	141	75	54	38	27	20	14	10	7.4	5.3
Rated torque	N.m	0.023	0.033	0.079	0.11	0.15	0.26	0.36	0.51	0.71	0.86	1.2	1.7	2.3	3.0
Max. permissible load in a short time	N.m	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9.0	9.0	9.0	9.0	9.0