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Rev.: A

Date: 23-03-2017

Supplier: Nanotec Electronic GmbH & Co.

Make:

Ordering Code: GPLE40-1S-5-F56

Item: Precision Planetary Gear

Note:



ORDER IDENTIFIER

GPLE40-1S-3
= for Nema 17 motors
-F56 = for Nema 23, 24 motors

Precision Planetary Gears

VERSIONS

Type	Reduction Ratio	Output Torque Nominal Nm	Output Torque Max. Value Nm	Efficiency %	Backlash " (arc minutes)	Moment of Inertia kg mm ²	Length mm	Intermediate Flange L1 mm	Weight kg
GPLE40-1S-3	3	11	17.5	97	<15	3.1	39	24.5/27.5*	0.35
GPLE40-1S-4	4	15	24	97	<15	2.2	39	24.5/27.5*	0.35
GPLE40-1S-5	5	14	22	97	<15	1.9	39	24.5/27.5*	0.35
GPLE40-1S-8	8	6	10	97	<15	1.7	39	24.5/27.5*	0.35
GPLE40-1S-10	10	5	8	97	<15	1.6	39	27.5**	0.35
GPLE40-2S-9	9	16.5	26	95	<19	3	52	24.5/27.5*	0.45
GPLE40-2S-12	12	20	32	95	<19	2.9	52	24.5/27.5*	0.45
GPLE40-2S-15	15	18	29	95	<19	2.3	52	24.5/27.5*	0.45
GPLE40-2S-16	16	20	32	95	<19	2.2	52	24.5/27.5*	0.45
GPLE40-2S-20	20	20	32	95	<19	1.9	52	24.5/27.5*	0.45
GPLE40-2S-25	25	18	29	95	<19	1.9	52	24.5/27.5*	0.45
GPLE40-2S-32	32	20	32	95	<19	1.7	52	24.5/27.5*	0.45
GPLE40-2S-40	40	18	29	95	<19	1.6	52	24.5/27.5*	0.45
GPLE40-2S-64	64	7.5	12	95	<19	1.6	52	24.5/27.5*	0.45
GPLE40-3S-60	60	20	32	91	<22	2.9	64.5	24.5/27.5*	0.55
GPLE40-3S-80	80	20	32	91	<22	1.9	64.5	24.5/27.5*	0.55
GPLE40-3S-100	100	20	32	91	<22	1.9	64.5	24.5/27.5*	0.55
GPLE40-3S-120	120	18	29	91	<22	2.9	64.5	24.5/27.5*	0.55
GPLE40-3S-160	160	20	32	91	<22	1.6	64.5	24.5/27.5*	0.55
GPLE40-3S-200	200	18	29	91	<22	1.6	64.5	24.5/27.5*	0.55
GPLE40-3S-256	256	20	32	91	<22	1.6	64.5	24.5/27.5*	0.55
GPLE40-3S-320	320	18	29	91	<22	1.6	64.5	24.5/27.5*	0.55
GPLE40-3S-512	512	7.5	12	91	<22	1.6	64.5	24.5/27.5*	0.55

* The intermediate flange size (L1) of NEMA 23 and 24 motors is 24.5 mm and 27.5 mm for NEMA 17 motors. **GPLE40-1S-10 only for NEMA 17 Motors.

TECHNICAL DATA

Protection Class	IP54
Service life*	30.000 hours
Combination with motor	NEMA 17, 23, 24
Working temperature	-25 to 90 °C
Admissible radial/axial shaft load (N)	160/160 (service life* 10.000 h: 200/200 N)
Input speed max.	18000 rpm

*The estimated service life is an approximately value based on the listed rated torques and an ambient temperature of 30 °C. There are no data available for differing conditions as the environmental factors and operating conditions may vary greatly.

DIMENSIONS (IN MM)

