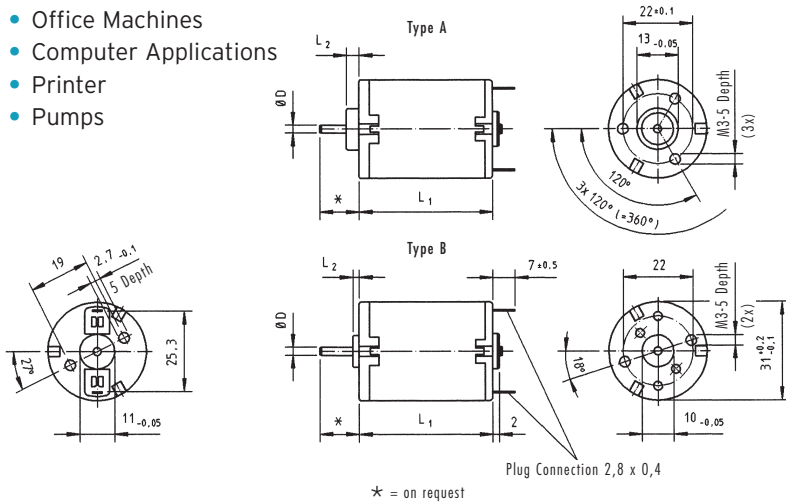


## Customized Versions

# DC PM Motor Platform 1.13.021.

### Typical Applications:

- Precision Instruments
- Office Machines
- Computer Applications
- Printer
- Pumps



The illustrated motor is representative for the platform.

-	1.13.021.700	42.0 ± 0.2	2 ± 0.1	2.5
1.13.021.600	-	75.5 ± 0.3	4 ± 0.1	3.0
-	1.13.021.500	66.0 ± 0.3	2 ± 0.1	3.0
1.13.021.500	-	66.0 ± 0.3	4 ± 0.1	3.0
-	1.13.021.300	51.0 ± 0.3	2 ± 0.1	2.5
Type A	Type B	L <sub>1</sub>	L <sub>2</sub>	ØD <sub>ns</sub>
Ball bearing	Self-Aligning Bearing			

## 1.13.021.

Technical Data/Design:		300	500	600	700
Motor Diameter	mm	31	31	31	31
Motor Length	mm	51	66	75.5	42
Shaft Diameter	mm	2.5	3	3	2.5
Rated Voltage	V	3 - 30	3 - 30	3 - 30	3 - 30
Commutator Segments		7	7	7	7
No Load Speed (max.)	r.p.m.	12000	10000	10000	12000
Rated Output Power (max.)	W	7	9	10	5
Weight	g	135	200	235	105

The DC PM motorplatform 1.13.021. can be adapted to meet any customer specification within the parameters of the above technical data.

### DESIGN:

- DC PM Motor
- Brush type commutation
- Closed design
- Sintered bearings or preloaded ball bearings
- Direction of rotation depending on applied polarity
- Connector: flat plug 2.8 x 0.5 or lead wires
- Addition of RFI filter possible

### Axial play

Sleeve bearing: \_\_\_\_\_ 0.05 - 0.7 mm

Max. allowable radial load  
(15 mm from mounting surface)

Sleeve bearing: \_\_\_\_\_ 20 N

Ball bearing: \_\_\_\_\_ 40 N

Max. allowable axial load

Sleeve bearing: \_\_\_\_\_ 5 N

Ball bearing: \_\_\_\_\_ 10 N

Allowable temperature range: \_\_\_\_\_ 0 °C/+70 °C

Extended temperature range possible