

## DC-Motors with Ferrite Magnets and integrated Tacho-Alternator, P 50 - P 1510 Series

### Type Overview

Typ Type Type	Bestell-Nr. ohne Bremse Order no. without brake No. de commande sans frein	Bestell-Nr. mit Bremse Order no. with brake No. de commande avec frein	Nennleistung (S-1) Rated power Puissance nominale	Nennmoment Rated torque Couple nominale
P 50	069a-000	—	50 W	0.13 Nm
P 100	069a-010	—	80 W	0.20 Nm
P 140	069a-030	—	94 W	0.30 Nm
P 310 (#)	069a-090	069a-110	170 W	0.55 Nm
P 510	069a-129	069a-173	235 W	0.75 Nm
P 610	069a-130	069a-150	350 W	1.20 Nm
P 710	069a-175	—	450 W	1.55 Nm
P 810	069a-212	069a-230	520 W	1.70 Nm
P 910	069a-250	069a-260	750 W	2.50 Nm
P 1000	069a-290	069a-310	520 W	3.00 Nm
P 1510	069a-330	069a-359	1000 W	3.50 Nm

(-#-) Typenbezeichnung für Motoren mit Haltebremse P310/B24  
Type designation for motor with brake P310/B24  
Type du moteur avec frein P310/B24

### Standard Version

- Electric connections with 1 Meter wires
- Protection class IP 40
- Insulation class F
- Available with or without second shaft end
- Colour: Hammer blow grey
- Bearings in 2Z-version

### Special Version

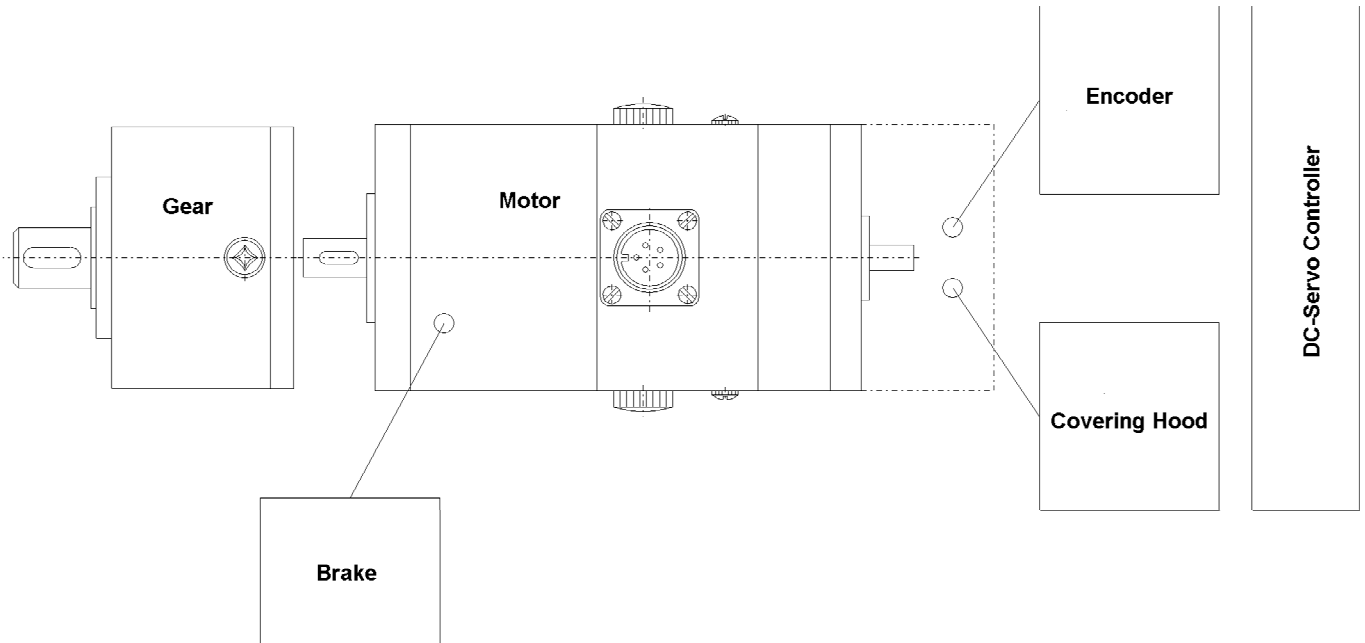
- Electric connection via plug connection
- Special voltages
- Customised motor shaft and connection flange
- Special colours

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## Accessories / Mounting Components



Gear	Motor	Brake	Encoder	Tacho-Alternator	Covering Hood	Controlling Device
Planetary gears of the PLE-series are available for all motors. An assignment of the gears to the distinct types of motors can be found on page D00048.PUB. A detailed description of the gears can be found in chapter 7 on the pages D00005.PUB D00008.PUB.	The technical data of the standard motors of the P50 - P1510 series with protection class IP40 and IP55 can be found on the data sheets D00033.PUB-D00047.PUB and D00087.PUB-D00089:PUB.	The brakes used are permanent magnet excited blocking brakes. The supply voltage of the brake is 24 Volt DC. The corresponding holding moments are assigned to the particular motors. The voltage supply takes place via a separate connection lead (customized designs upon request).	Optionally two types of encoders are available.  Type 1: 2-channel encoder with 500 or 1000 pulses per rotation  Type 2: 6-channel encoder with 500 or 1000 pulses per rotation  Both with a 5 Volt signal.	The tacho-alternators used are DC-tacho-alternators. Technical data can be found on the data sheets D00033.PUB-D00047.PUB. (Special versions upon request)	For the protection of the second shaft end accessory covering hood is available.	An assignment of the servo controllers to the distinct motors can be found on page D00049.PUB. All servo controllers are described more detailed in chapter 5 on the Pages D00001.PUB and D00004. PUB.

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