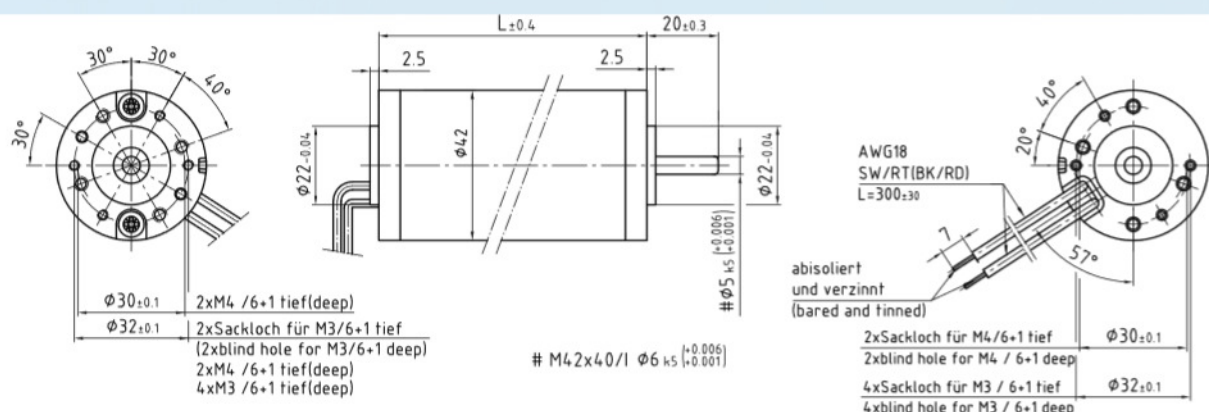


DC-Motors Type M42 (12V)

- Permanent magnet DC-motor
- Ball bearings
- Lead wires
- Power range in continuous operation approx. 12 to 30 watt
- Multiple combination possibilities with gears, encoders and brakes



Application on request

Versions	Unit	M42x15/I	M42x20/I	M42x30/I	M42x40/I
Part number	[ID]	211112b	211100a	211102	211220
Nominal voltage	[V]	12	12	12	12
Nominal torque	[Ncm]	4	5	6.5	8
Nominal speed	[1/min]	3000	3300	3300	3150
Nominal current	[A]	2	2.5	2.81	3.13
Output power ¹⁾	[W]	12.6	17.3	22.5	26.4
Rise of M-n-characteristic	[1/min / Ncm]	250	290	138.5	70
Torque constant	[Ncm / A]	2.4	2.3	2.6	2.9
Rotor moment of inertia	[gcm ²]	60	74	100	130
Weight	[kg]	0.4	0.42	0.5	0.58
Length	[mm]	70	75	85	95

General data

Lifetime at rated torque ¹⁾	h	3000
Permissible axial shaft load ²⁾	N	40
Permissible radial shaft load ²⁾	N	100
Insulation class (DIN VDE 0530)		E
IP protection class (DIN VDE 0530)		IP 40
RFI suppression		optional

1) Operation by nominal values; Date: 13.05.2008 Subject to change without notice
2) At 3000 rpm and 3000 hrs nominal life, simultaneous axial and radial loads

Performance characteristics

