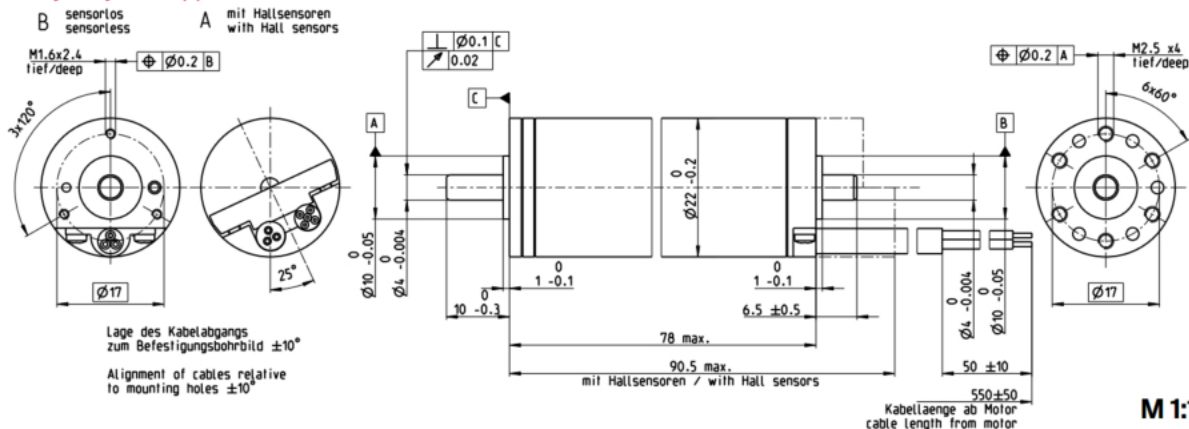


EC 22 Ø22 mm, brushless, 240 watt

Heavy Duty – for applications in oil



- Stock program
- Standard program
- Special program (on request)

Part Numbers

A with Hall Sensors
B sensorless

426450
426451

Motor Data					
Values at nominal voltage and ambient temperature °C					
1 Nominal voltage	V	25	100	150	200
2 No load speed	rpm	12900	13400	13600	13800
3 No load current	mA	384	177	183	188
4 Nominal speed ¹⁾	rpm	8410	8510	9130	10600
5 Nominal torque (max. continuous torque) ¹⁾	mNm	149	120	92.2	55.8
6 Nominal current (max. continuous current)	A	4.48	3.61	2.88	1.86
7 Stall torque	mNm	460	346	295	256
8 Stall current	A	13.4	10.3	8.98	7.93
9 Max. efficiency	%	71	77	75	73
Characteristics					
10 Terminal resistance phase to phase	Ω	3.59	4.64	5.35	6.05
11 Terminal inductance phase to phase	mH	0.626	0.626	0.626	0.626
12 Torque constant	mNm/A	34.4	33.5	32.9	32.3
13 Speed constant	rpm/V	278	285	290	296
14 Speed / torque gradient	rpm/mNm	29	39.5	47.2	55.4
15 Mechanical time constant	ms	2.31	3.16	3.77	4.43
16 Rotor inertia	gcm ²	7.63	7.63	7.63	7.63

¹⁾ Values in thermal steady state.

Specifications

Operating Range

Comments

M 1:1