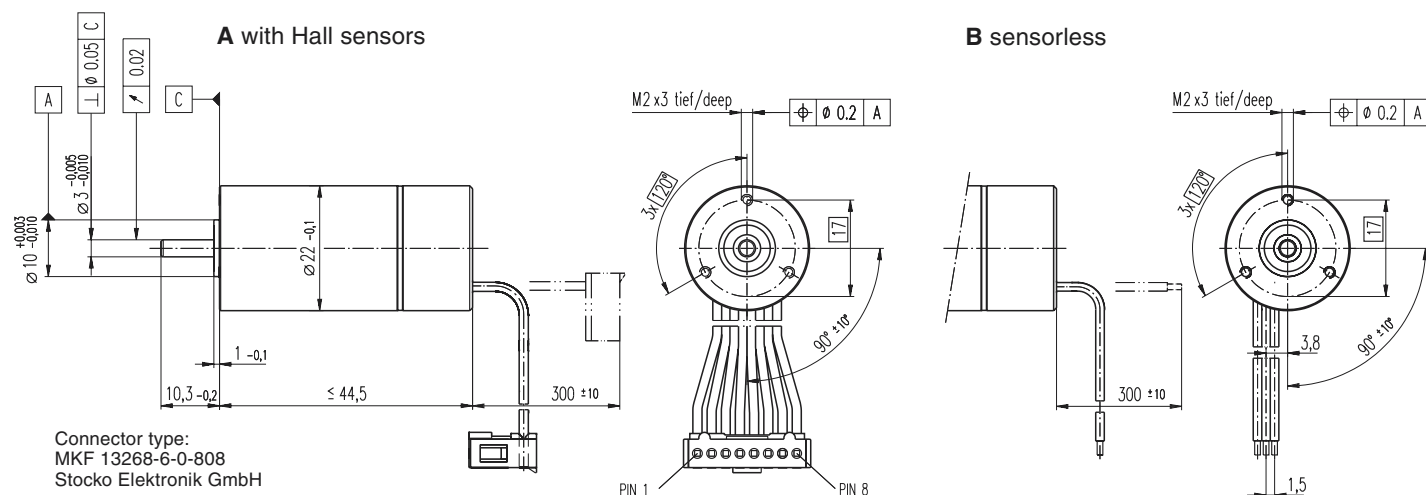


EC 22 Ø22 mm, brushless, 20 Watt, CE approved



Stock program			Order Number							
Standard program			A with Hall sensors				B sensorless			
Special program (on request!)			169008	200118			200857	200858		
Y-circuit					169007	200685			200859	200860
Δ-circuit										
Motor Data										
1	Assigned power rating	W	20	20	20	20	20	20	20	20
2	Nominal voltage	Volt	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
3	No load speed ¹⁾	rpm	20600	9500	35700	16500	20600	9500	35700	16500
4	Stall torque ¹⁾	mNm	119	48	206	83	119	48	206	83
5	Speed / torque gradient ¹⁾	rpm / mNm	174	202	174	202	174	202	174	202
6	No load current ¹⁾	mA	74	48	169	127	74	48	169	127
7	Terminal resistance phase to phase	Ohm	2.23	11.71	0.74	3.90	2.23	11.71	0.74	3.90
8	Max. permissible speed	rpm	50000	50000	50000	50000	50000	50000	50000	50000
9	Max. continuous current at 10 000 rpm ¹⁾	A	1.60	0.69	2.80	1.20	1.60	0.69	2.80	1.20
10	Max. continuous torque at 10 000 rpm	mNm	15.6	14.2	15.6	14.2	15.6	14.2	15.6	14.2
11	Max. efficiency ¹⁾	%	84	73	86	75	84	73	86	75
12	Torque constant	mNm / A	11.1	23.5	6.4	13.6	11.1	23.5	6.4	13.6
13	Speed constant	rpm / V	863	406	1496	704	863	406	1496	704
14	Mechanical time constant	ms	5	6	5	6	5	6	5	6
15	Rotor inertia	gcm²	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
16	Terminal inductance phase to phase	mH	1.003	4.529	0.334	1.510	1.003	4.529	0.334	1.510
17	Thermal resistance housing-ambient	K / W	10	10	10	10	10	10	10	10
18	Thermal resistance winding-housing	K / W	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
19	Thermal time constant winding	s	6.15	6.15	6.15	6.15	6.15	6.15	6.15	6.15
20	Thermal time constant stator	s	300	300	300	300	300	300	300	300