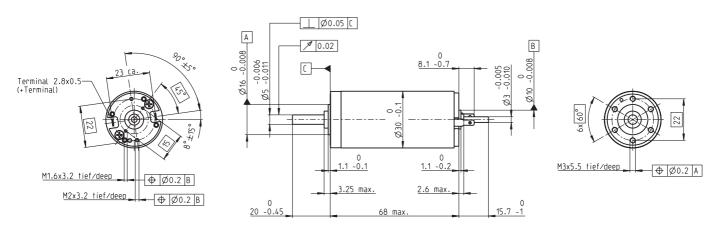
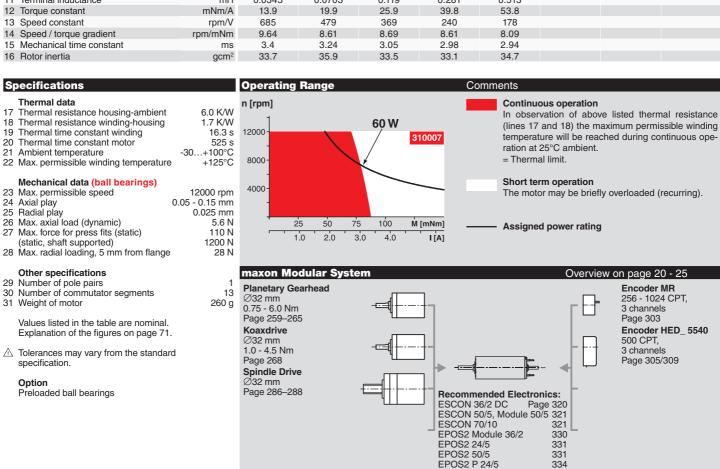
## RE 30 Ø30 mm, Graphite Brushes, 60 Watt



M 1:2

Stock program Standard program Special program (on request)		Part Num	bers			
according to dimensional drawing		310005	310006	310007	310008	310009
shaft length 15.7 shortened to 8.7 mm		268193	268213	268214	268215	268216
Motor Data						
Values at nominal voltage						
1 Nominal voltage	V	12	18	24	36	48
2 No load speed	rpm	8170	8590	8810	8590	8490
3 No load current	mA	301	213	165	106	78.6
4 Nominal speed	rpm	7630	7910	8050	7840	7760
5 Nominal torque (max. continuous torque)	mNm	51.6	75.5	85.6	86.6	89.7
6 Nominal current (max. continuous current	) A	4	4	3.47	2.28	1.74
7 Stall torque	mNm	852	1000	1020	1000	1050
8 Starting current	Α	61.1	50.3	39.3	25.2	19.6
9 Max. efficiency	%	85	87	87	87	88
Characteristics						
10 Terminal resistance	Ω	0.196	0.358	0.611	1.43	2.45
11 Terminal inductance	mH	0.0345	0.0703	0.119	0.281	0.513
12 Torque constant	mNm/A	13.9	19.9	25.9	39.8	53.8
13 Speed constant	rpm/V	685	479	369	240	178
14 Speed / torque gradient	rpm/mNm	9.64	8.61	8.69	8.61	8.09
15 Mechanical time constant	ms	3.4	3.24	3.05	2.98	2.94
16 Rotor inertia	gcm <sup>2</sup>	33.7	35.9	33.5	33.1	34.7



EPOS3 70/10 EtherCAT

Notes

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