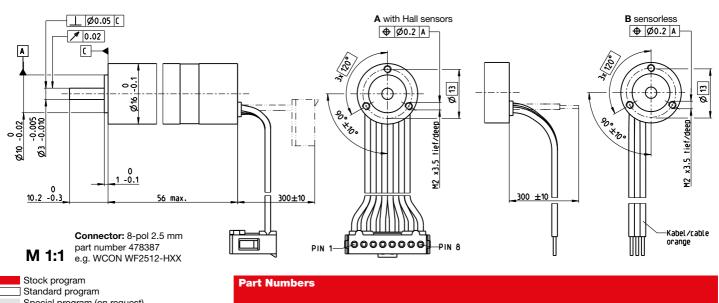
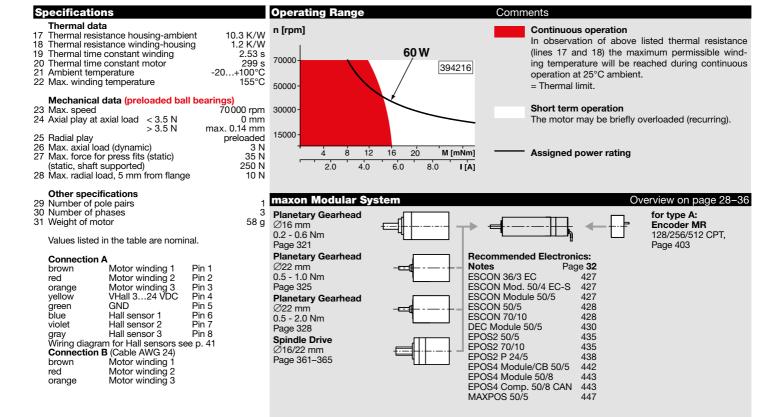
## EC 16 Ø16 mm, brushless, 60 Watt



Special program (on request)								
<b>A</b> with Hall sensors		394216	396916	395588	396928	405794		
B sensorless		397162	397294	397292	397295	405795		
Motor Data								
Values at nominal voltage								
1 Nominal voltage	V	12	18	24	32	48		
2 No load speed	rpm	37100	43400	43400	43400	41700		
3 No load current	mA	327	272	204	153	96.2		
4 Nominal speed	rpm	32500	39200	39400	39500	37900		
5 Nominal torque (max. continuous torque)	mNm	17.2	16.9	17	17	17.1		
6 Nominal current (max. continuous current)	Α	5.82	4.48	3.39	2.54	1.63		
7 Stall torque	mNm	157	205	221	230	224		
8 Stall current	Α	51.4	52	42.2	32.8	20.5		
9 Max. efficiency	%	85	86	87	87	87		
Characteristics								
10 Terminal resistance phase to phase	Ω	0.233	0.346	0.569	0.976	2.34		
11 Terminal inductance phase to phase	mH	0.02	0.033	0.059	0.104	0.254		
12 Torque constant	mNm/A	3.06	3.94	5.25	7	10.9		
13 Speed constant	rpm/V	3120	2420	1820	1360	873		
14 Speed/torque gradient	rpm/mNm	238	213	197	190	187		
15 Mechanical time constant	ms	2.66	2.39	2.21	2.13	2.09		
16 Rotor inertia	gcm <sup>2</sup>	1.07	1.07	1.07	1.07	1.07		



May 2017 edition / subject to change maxon EC motor 213