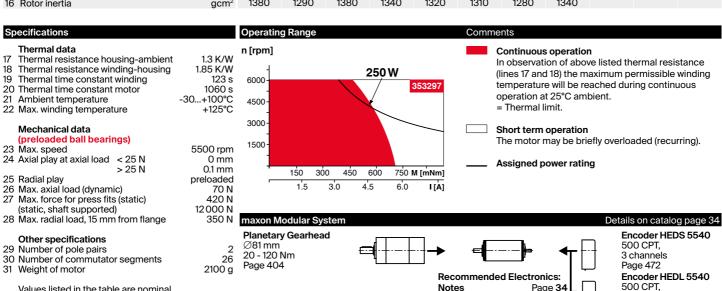


M 1:4

Stock program Standard program Special program (on request)		Part Nun							
		353294	353295	353296	353297	353298	353299	353300	353301
Industrial Ve	ersion IP54*	388984	388985	388986	388987	388988	388989	388990	388991
Motor Data									
Values at nominal voltage									
1 Nominal voltage	V	18	24	36	48	60	70	70	70
2 No load speed	rpm	3520	4090	3970	3670	3680	3440	3190	2690
3 No load current	mA	755	697	437	289	231	179	160	125
4 Nominal speed	rpm	3250	3810	3700	3420	3450	3220	2960	2470
5 Nominal torque (max. continuous torque	e) mNm	427	501	751	800	813	832	839	888
6 Nominal current (max. continuous curre	nt) A	10	10	9.32	6.8	5.53	4.51	4.21	3.74
7 Stall torque	mNm	13600	15700	17400	16100	16200	15100	13700	12200
8 Stall current	Α	295	292	207	131	106	78.6	66.1	49.7
9 Max. efficiency	%	81	83	87	88	89	89	89	89
Characteristics									
10 Terminal resistance	Ω	0.0609	0.0821	0.174	0.365	0.568	0.891	1.06	1.41
11 Terminal inductance	mH	0.023	0.031	0.076	0.161	0.251	0.393	0.458	0.644
12 Torque constant	mNm/A	46	53.7	84.4	123	153	192	207	245
13 Speed constant	rpm/V	208	178	113	77.8	62.3	49.8	46.1	38.9
14 Speed / torque gradient	rpm/mNm	0.275	0.272	0.234	0.231	0.231	0.231	0.236	0.223
15 Mechanical time constant	ms	3.98	3.68	3.38	3.25	3.19	3.16	3.16	3.13
16 Rotor inertia	gcm ²	1380	1290	1380	1340	1320	1310	1280	1340



Notes

ESCON Mod. 50/5

ESCON 50/5

ESCON 70/10

EPOS4 70/15

ESCON Mod. 50/8 (HE)

EPOS4 Module 50/8 EPOS4 Module 50/15

EPOS4 Comp. 50/8 CAN

EPOS4 Comp. 50/15 CAN

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3 channels

Page 479 Brake AB 44

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End cap Page 525

Industrial Version

Encoder HEDL 9140

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Explanation of the figures on page 72. Industrial version with radial shaft seal ring

Values listed in the table are nominal.

(resulting in increased no load current). IP54 protection only if mounted on brush side, in compliance with maxon modular system.

maxon DC motor 143 April 2020 edition / subject to change