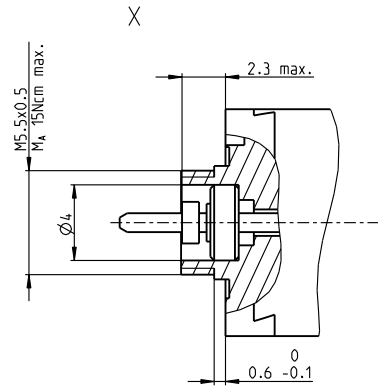
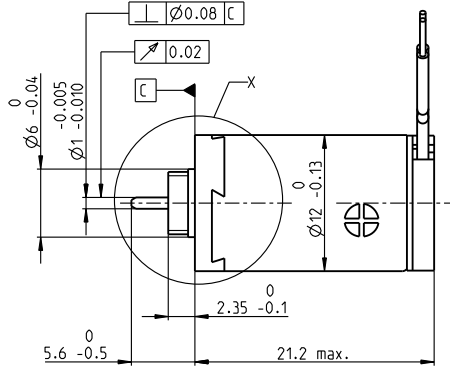
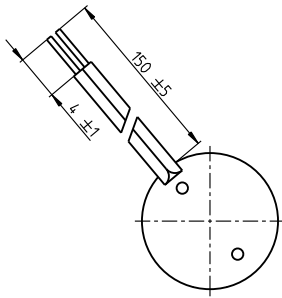


A-max 12 $\varnothing 12$ mm, precious metal brushes CLL, 0.75 watt

Kabel AWG 28/7
cable UL Style 1061

⊕ Kabel rot
cable red



A-max

M 3:2

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

Part Numbers							
200937	265374	265375	265376	265377	265378		

Motor Data							
Values at nominal voltage							
1 Nominal voltage	V	3	4.5	6	9	12	15
2 No load speed	rpm	13900	11900	12800	12100	12300	13800
3 No load current	mA	21.1	11.5	9.47	5.87	4.5	4.2
4 Nominal speed	rpm	5980	4380	5260	4470	4610	5030
5 Nominal torque	mNm	0.897	0.961	0.948	0.941	0.931	0.804
6 Nominal current (max. continuous current)	A	0.465	0.282	0.225	0.141	0.107	0.0836
7 Stall torque	mNm	1.58	1.55	1.63	1.52	1.52	1.29
8 Stall current	A	0.789	0.438	0.374	0.22	0.168	0.129
9 Max. efficiency	%	70	71	71	70	70	68
Characteristics							
10 Terminal resistance	Ω	3.8	10.3	16	40.9	71.6	116
11 Terminal inductance	mH	0.085	0.264	0.403	1.01	1.74	2.13
12 Torque constant	mNm/A	2.01	3.53	4.36	6.92	9.06	10
13 Speed constant	rpm/V	4760	2710	2190	1380	1050	952
14 Speed / torque gradient	rpm/mNm	9030	7880	8060	8170	8330	11000
15 Mechanical time constant	ms	20.6	20.3	20.4	20.4	20.5	21.1
16 Rotor inertia	gcm ²	0.218	0.246	0.241	0.238	0.235	0.183

Specifications	Operating Range	Comments
Thermal data 17 Thermal resistance housing-ambient 44.5 K/W 18 Thermal resistance winding-housing 15 K/W 19 Thermal time constant winding 5.03 s 20 Thermal time constant motor 245 s 21 Ambient temperature -30...+65°C 22 Max. winding temperature +85°C Mechanical data (sleeve bearings) 23 Max. speed 19.000 rpm 24 Axial play 0.05 - 0.15 mm 25 Radial play 0.012 mm 26 Max. axial load (dynamic) 0.15 N 27 Max. force for press fits (static) 15 N 28 Max. radial load, 4 mm from flange 0.4 N	n [rpm] 	<ul style="list-style-type: none"> Continuous operation In observation of above listed thermal resistance (lines 17 and 18) the maximum permissible winding temperature will be reached during continuous operation at 25°C ambient. = Thermal limit. Short term operation The motor may be briefly overloaded (recurring). Assigned power rating

Other specifications	Modular System	Details on catalog page 44
29 Number of pole pairs 1	Gear	Motor Control
30 Number of commutator segments 7	397_GP 10 A	532_ESCON Module 24/2
31 Weight of motor 11 g	398_GS 12 A	532_ESCON 36/2 DC
	399_GP 13 K	
	400_GP 13 A	

Values listed in the table are nominal.
Explanation of the figures on page 90.