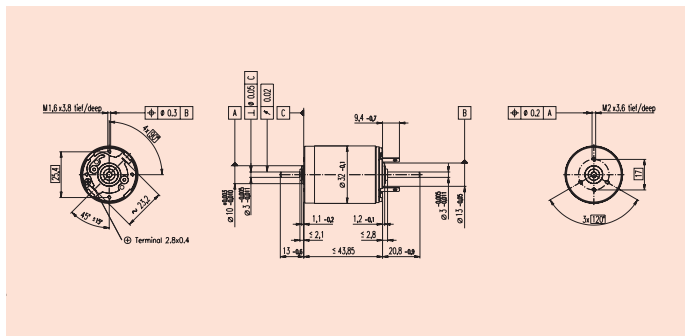


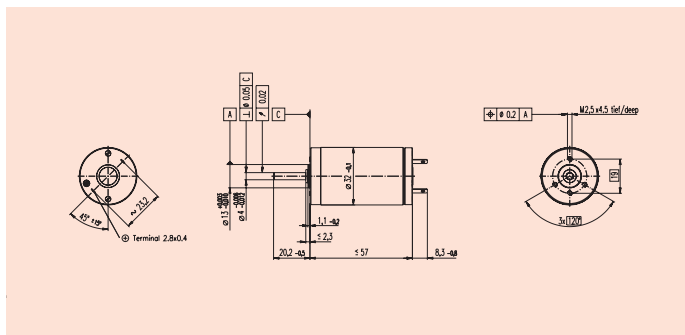
S Motor 2332....-55.276-200, Graphite Brushes, 11 Watt, € approved



- Axial play 0.05 - 0.15 mm
 - Ball bearings
 - Max. bearing loads
 - axial (dynamic) 3.2 N
 - not preloaded 2 N
 - preloaded 16 N
 - radial (5 mm from flange) 64 N
 - Press-fit force (static) 1200 N
 - (static, shaft supported) 1200 N
 - Radial play 0.025 mm
 - Ambient temperature -20 ... +100°C
 - Max. rotor temperature +125°C
 - No. of commutator segments 13
 - Weight 174 g
- Can be combined with GP 32 A (page 212), GP 32 K (page 216) or GS 38 (page 217), Encoder Ø22 (page 234), Encoder HEDS (page 237), Encoder HEDL (page 239)
- Several versions are available ex warehouse, all remaining only manufactured to order, sufficiently substantial quantity required.

Order Number	Nominal voltage [Volt]	No load speed [rpm]	No load current [mA]	Stall torque [mNm]	Max. continuous torque [mNm]	Speed / torque gradient [rpm / mNm]	Speed constante [rpm / V]	Torque constant [mNm / A]	Mechanical time constant [ms]	Rotor inertia [gcm ²]	Terminal resistance [Ohm]
2332.900-55.276-200	4.5	7730	160	52.3	7.01	176	2040	4.68	38	20.9	0.403
2332.904-55.276-200	9.0	8510	83	66.4	14.0	138	1020	9.35	27	18.7	1.27
2332.905-55.276-200	9.0	7370	68	58.7	16.3	135	881	10.8	27	18.8	1.66
2332.906-55.276-200	12.0	7930	55	66.2	17.5	126	698	13.7	25	19.0	2.48
2332.908-55.276-200	18.0	7980	37	67.4	18.2	123	460	20.8	24	18.4	5.54
2332.909-55.276-200	24.0	8830	31	74.5	18.4	122	379	25.2	23	18.2	8.12
2332.910-55.276-200	30.0	8770	25	74.7	18.6	120	300	31.9	23	18.1	12.8
2332.911-55.276-200	36.0	8400	19	69.4	18.5	124	239	40.0	23	17.5	20.8
2332.912-55.276-200	48.0	8930	16	74.5	18.7	122	189	50.4	22	17.6	32.5
2332.913-55.276-200	48.0	7390	12	59.9	18.5	126	157	60.8	22	17.0	48.7

S Motor 2332....-12.216-200, Graphite Brushes, 15 Watt, € approved



- Axial play 0.05 - 0.15 mm
 - Ball bearings
 - Max. bearing loads
 - axial (dynamic) 5.6 N
 - not preloaded 2.4 N
 - preloaded 28 N
 - radial (5 mm from flange) 113 N
 - Press-fit force (static) 113 N
 - Radial play 0.025 mm
 - Ambient temperature -20 ... +100°C
 - Max. rotor temperature +125°C
 - No. of commutator segments 13
 - Weight 230 g
- Can be combined with GP 32 A (page 213) and GP 32 K (page 216)
- Several versions are available ex warehouse, all remaining only manufactured to order, sufficiently substantial quantity required.

Order Number	Nominal voltage [Volt]	No load speed [rpm]	No load current [mA]	Stall torque [mNm]	Max. continuous torque [mNm]	Speed / torque gradient [rpm / mNm]	Speed constante [rpm / V]	Torque constant [mNm / A]	Mechanical time constant [ms]	Rotor inertia [gcm ²]	Terminal resistance [Ohm]
2332.960-12.216-200	6.0	5810	110	89.1	14.1	68.2	1010	9.43	23	32.0	0.635
2332.963-12.216-200	9.0	5310	64	91.1	23.6	60.0	607	15.7	17	26.4	1.56
2332.964-12.216-200	12.0	6650	65	116	25.3	58.8	566	16.9	16	25.7	1.75
2332.965-12.216-200	12.0	5870	55	104	28.0	57.9	500	19.1	15	25.4	2.21
2332.966-12.216-200	12.0	4880	42	85.6	28.3	58.2	415	23.0	15	24.5	3.22
2332.967-12.216-200	18.0	5380	32	109	30.5	50.2	303	31.5	14	26.7	5.21
2332.968-12.216-200	24.0	5750	26	119	30.9	49.0	243	39.3	14	26.6	7.94
2332.969-12.216-200	30.0	6000	22	122	30.8	49.6	202	47.2	13	25.9	11.6
2332.970-12.216-200	36.0	5710	17	118	31.0	49.1	160	59.6	13	25.9	18.2
2332.971-12.216-200	42.0	5270	13	106	30.7	50.3	127	75.3	13	25.1	29.9
2332.972-12.216-200	48.0	4860	10	97.1	30.6	50.6	102	93.3	13	24.8	46.1
2332.973-12.216-200	48.0	3950	8	78.2	30.5	51.1	83.3	115	13	24.5	70.4