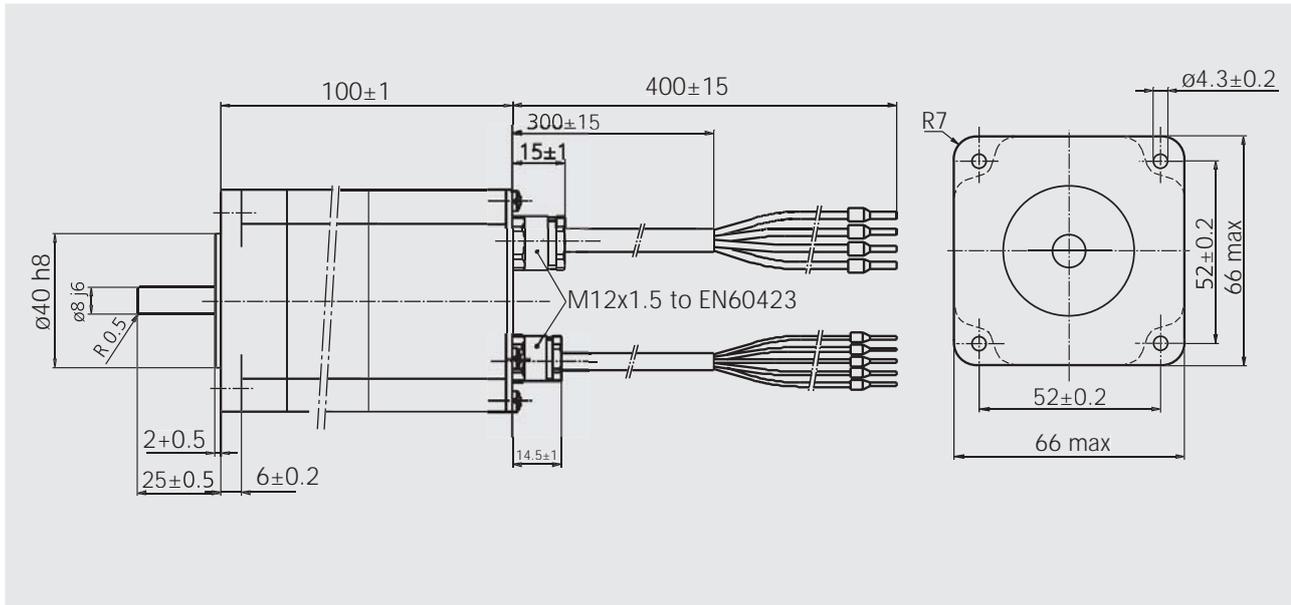


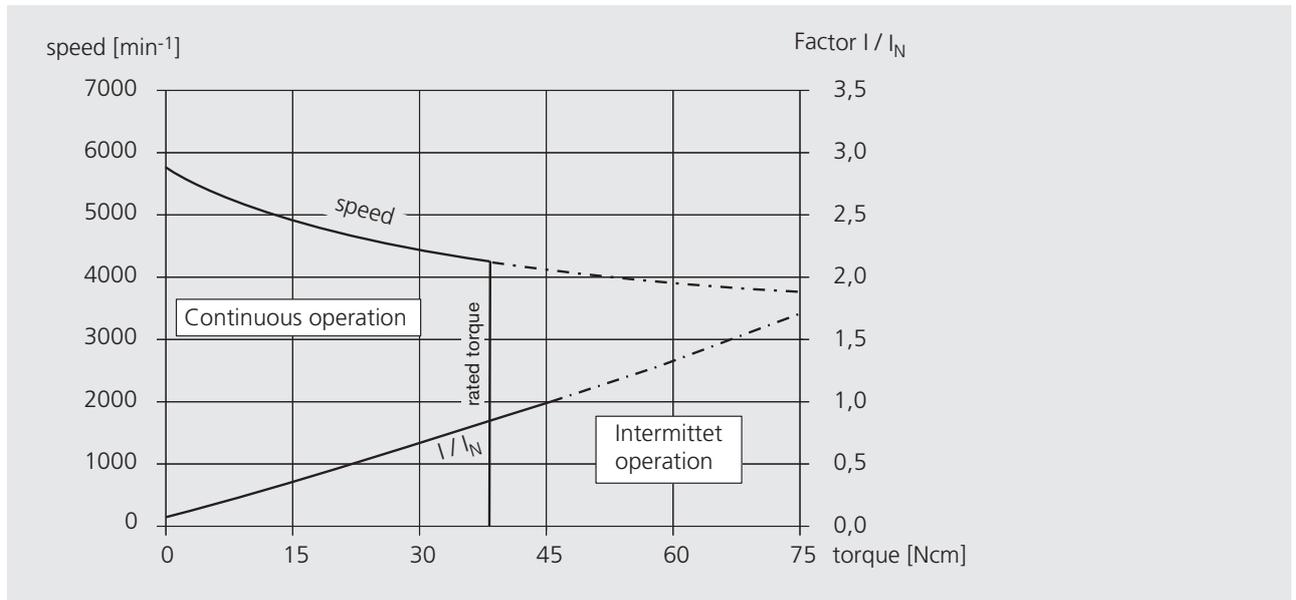
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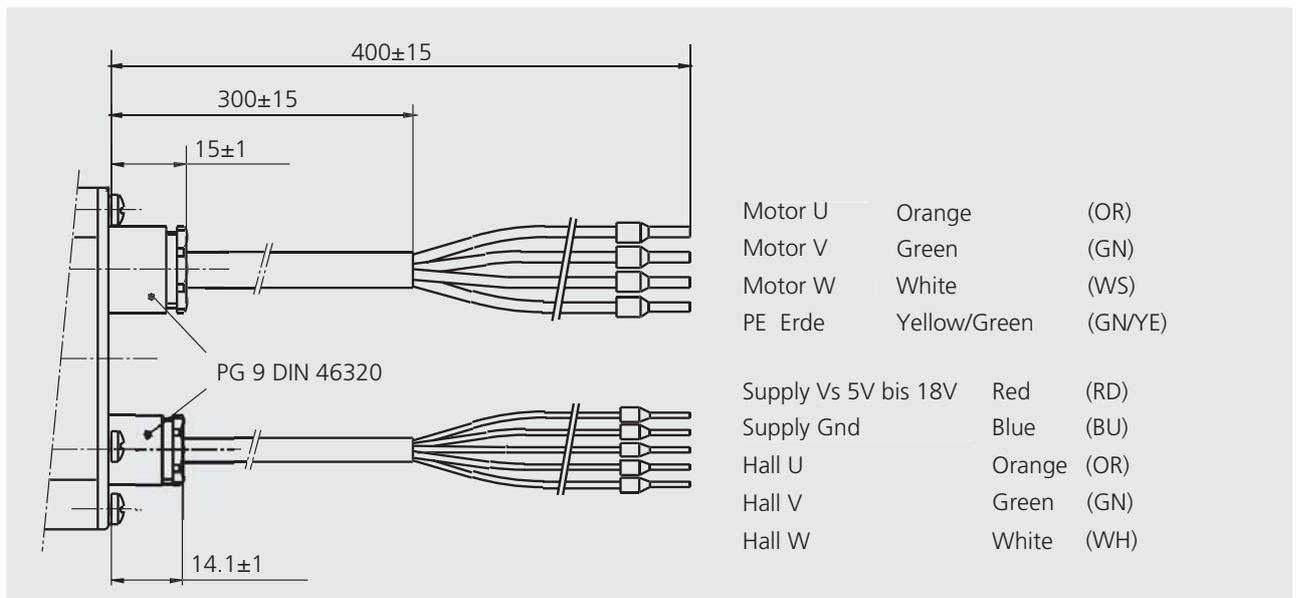
Dimensional drawing RECM 374/4

Technical data

Intermediate circuit voltage $U_{DC}$	V	24	48	325
Number of pole pairs p		4	4	4
Rated power $P_N$	W	160	200	200
Rated torque $M_N$	Nm	0.37	0.44	0.44
Rated speed $n_N$	1/min	4250	4350	4400
Rated current $I_N$	A	9.2	5.54	0.8
Rated current $\hat{I}_N$	A	11.3	6.78	1.0
No load speed $n_0$	1/min	5800	5800	5850
No load current $I_0$	A	0.63	0.46	0.07
Permanent holding torque $M_{d0}$	Nm	0.58	0.58	0.58
Permanent holding current $I_{d0}$	A	11.9	7.29	1.2
Permanent holding current $\hat{I}_{d0}$	A	14.5	8.92	1.4
Max. torque $M_{max}$	Nm	1.40	1.40	1.40
Max. current $I_{max}$	A	36.5	18.3	2.7
Self-holding torque $M_S$	Nm	0.030	0.030	0.030
Torque constant ( $M_{d0}/\hat{i}_{d0}$ ) $k_M$	Nm/A	0.040	0.065	0.406
Generator voltage constant $k_{Ett}$	mV/(1/min)	2.924	5.848	38.990
Terminal resistance $R_{tt}$	$\Omega$	0.11	0.28	9.85
Terminal inductance $L_{tt}$	mH	0.318	1.272	56.514
Rotor moment of inertia $J_R$	kgcm <sup>2</sup>	340	340	340
Thermal resistance (coil / surface) $R_{th1}$	K/W	0.63	0.63	0.63
Ambient temperature	°C	-25 ... 40	-25 ... 40	-25 ... 40
Max. permitted radial stress $F_q$	N	80	80	80
Max. permitted axial stress $F_a$	N	30	30	30
Weight m	kg	1.4	1.4	1.4
Protection grade DIN EN 60592		IP 41	IP 41	IP 41
Insulation to DIN EN 60034-1		F	F	F
Utilization acc. to insulating material class to DIN EN 60034-1		B	B	B



Characteristic curve RECM 374/4



Pin assignment RECM 374/4