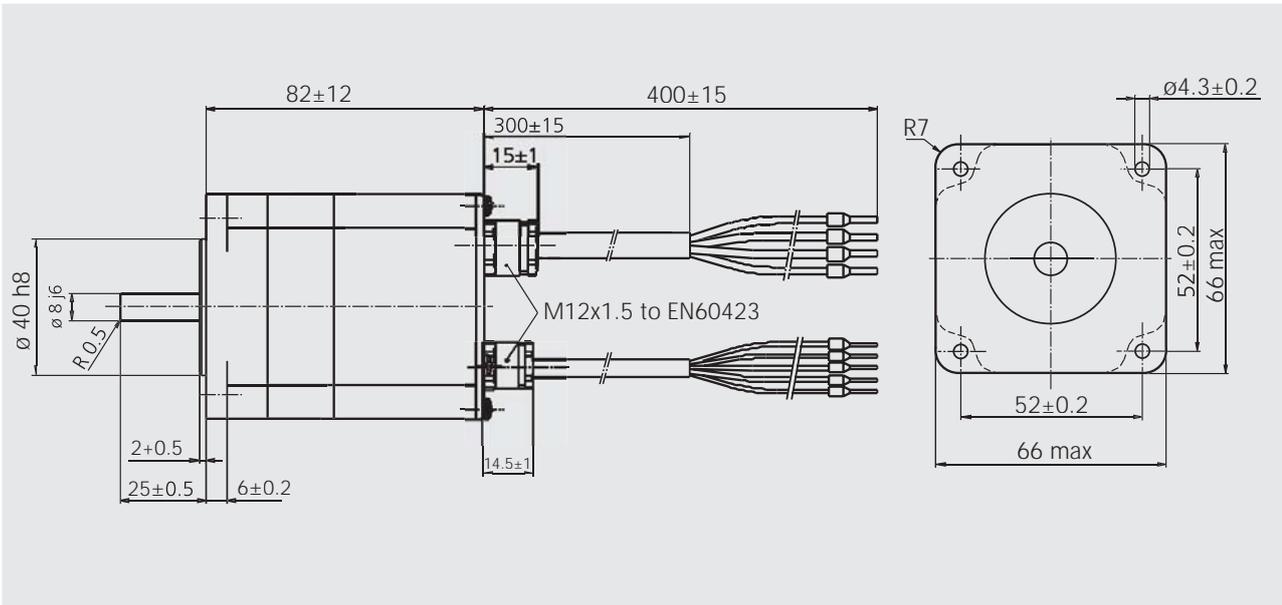


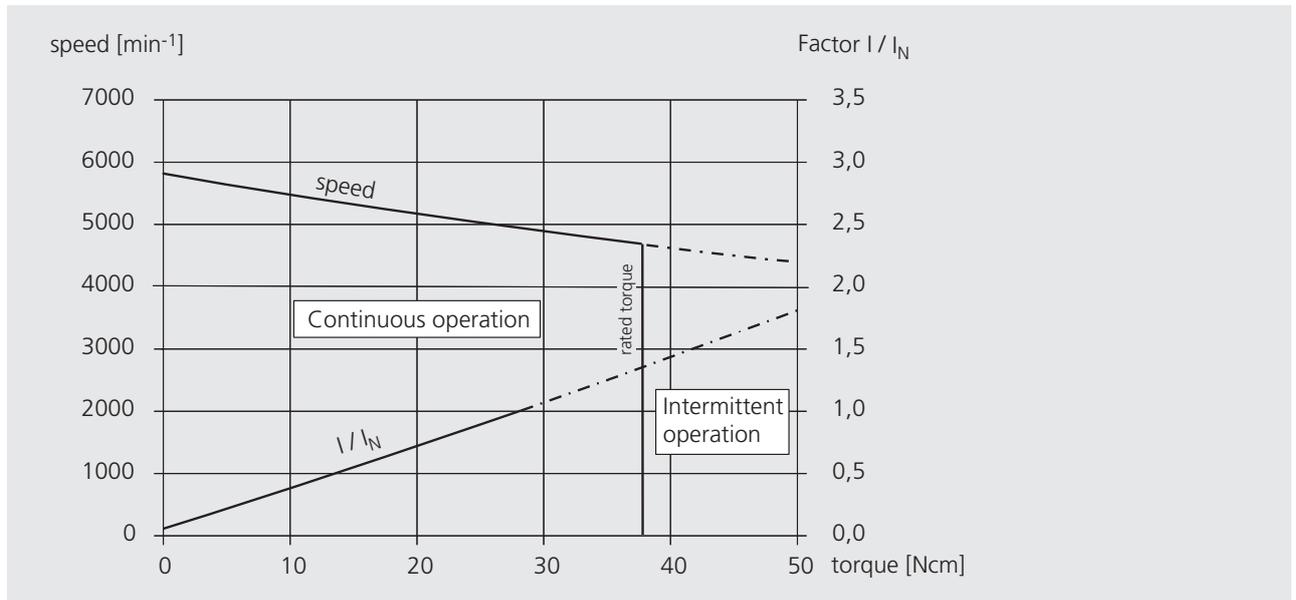
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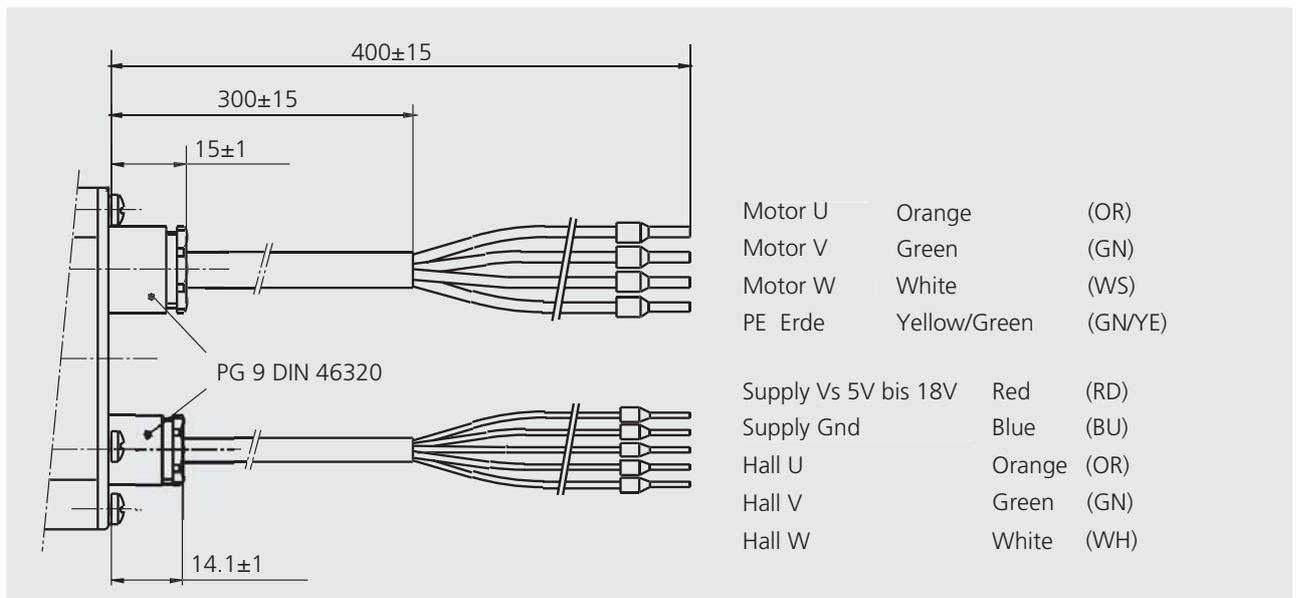
Dimensional drawing RECM 372/4

Technical data

Intermediate circuit voltage U_{DC}	V	24	48	325
Number of pole pairs p		4	4	4
Rated power P_N	W	130	130	120
Rated torque M_N	Nm	0.28	0.28	0.28
Rated speed n_N	1/min	4350	4350	4300
Rated current I_N	A	8.1	4.03	0.6
Rated current \hat{I}_N	A	9.9	4.93	0.7
No load speed n_0	1/min	6500	6500	6450
No load current I_0	A	0.63	0.31	0.05
Permanent holding torque M_{d0}	Nm	0.33	0.33	0.33
Permanent holding current I_{d0}	A	9.1	4.70	0.7
Permanent holding current \hat{I}_{d0}	A	11.2	5.76	0.9
Max. torque M_{max}	Nm	0.70	0.70	0.70
Max. current I_{max}	A	20.7	10.3	1.5
Self-holding torque M_S	Nm	0.015	0.015	0.015
Torque constant (M_{d0}/\hat{i}_{d0}) k_M	Nm/A	0.030	0.057	0.386
Generator voltage constant k_{Ett}	mV/ (1/min)	2.583	5.166	35.091
Terminal resistance R_{tt}	Ω	0.17	0.54	21.38
Terminal inductance L_{tt}	mH	0.619	2.477	114.269
Rotor moment of inertia J_R	kgcm ²	170	170	170
Thermal resistance (coil / surface) R_{th1}	K/W	1.25	1.25	1.25
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	1.05	1.05	1.05
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 372/4



Pin assignment RECM 372/4