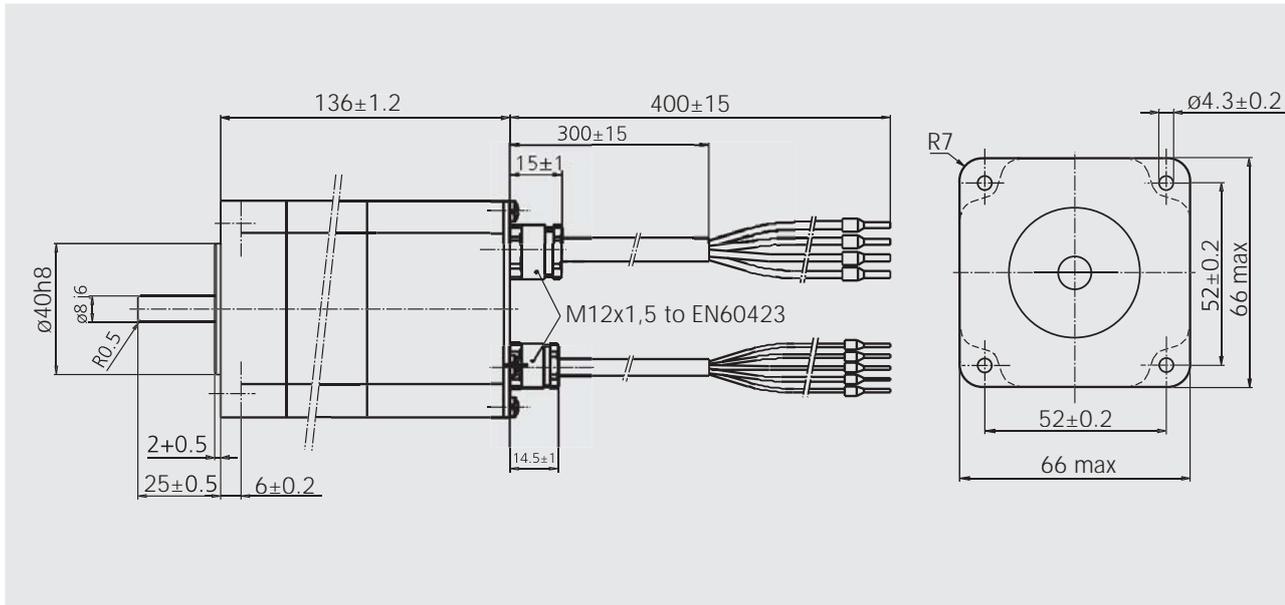


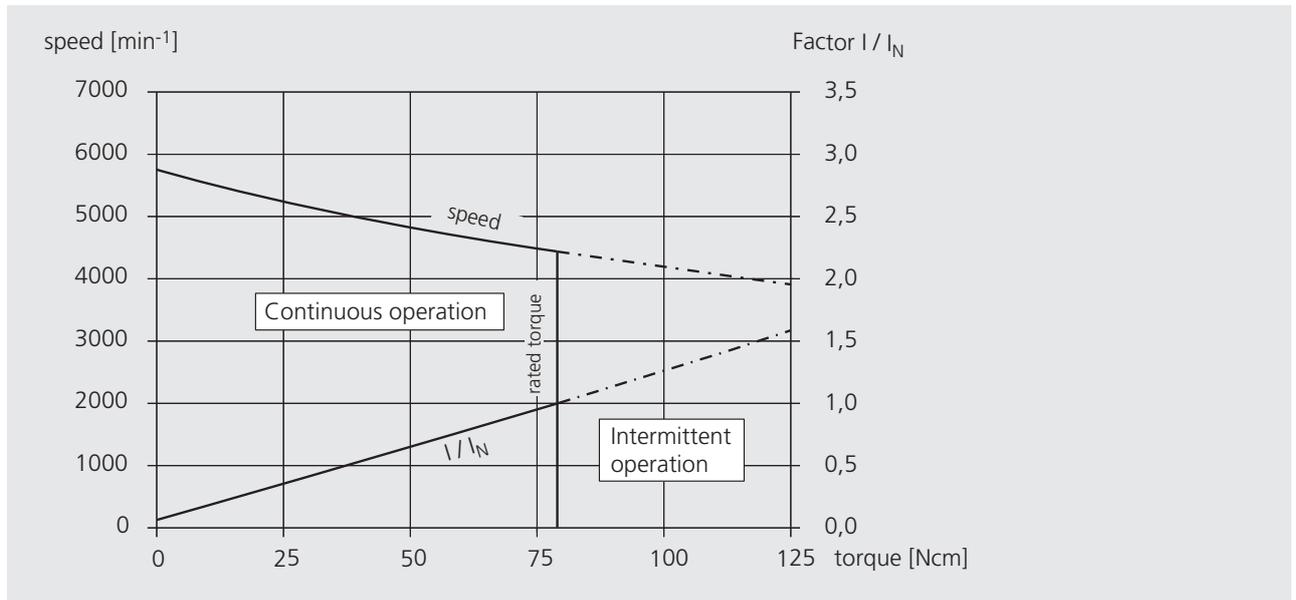
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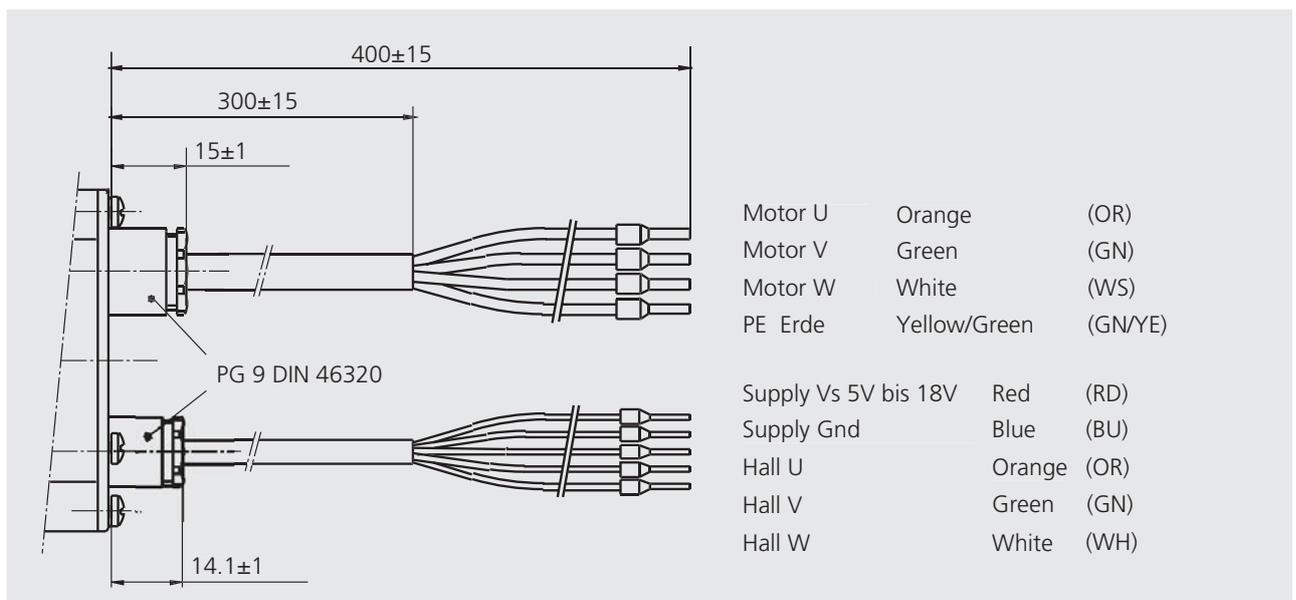
Dimensional drawing RECM 377/4

Technical data

Intermediate circuit voltage U_{DC}	V	48	60	325
Number of pole pairs p		4	4	4
Rated power P_N	W	370	360	340
Rated torque M_N	Nm	0.80	0.80	0.80
Rated speed n_N	1/min	4450	4350	4100
Rated current I_N	A	9.94	7.7	1.3
Rated current \hat{I}_N	A	12.17	9.4	1.5
No load speed n_0	1/min	5850	5750	5400
No load current I_0	A	0.83	0.64	0.10
Permanent holding torque M_{d0}	Nm	1.09	1.09	1.09
Permanent holding current I_{d0}	A	13.69	11.0	2.0
Permanent holding current \hat{I}_{d0}	A	16.76	13.5	2.4
Max. torque M_{max}	Nm	2.80	2.80	2.80
Max. current I_{max}	A	36.5	28.8	5.0
Self-holding torque M_S	Nm	0.060	0.060	0.060
Torque constant (M_{d0}/\hat{I}_{d0}) k_M	Nm/A	0.065	0.081	0.453
Generator voltage constant k_{Ett}	mV/(1/min)	5.848	7.408	42.888
Terminal resistance R_{tt}	Ω	0.15	0.21	5.08
Terminal inductance L_{tt}	mH	0.577	0.849	29.949
Rotor moment of inertia J_R	kgcm ²	680	680	680
Thermal resistance (coil / surface) R_{th1}	K/W	0.31	0.31	0.31
Ambient temperature	°C	-25°C...40°C	-25°C...40°C	-25°C...40°C
Max. permitted radial stress F_q	N	80	80	80
Max. permitted axial stress F_a	N	30	30	30
Weight m	kg	2.05	2.05	2.05
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 377/4



Pin assignment RECM 377/4