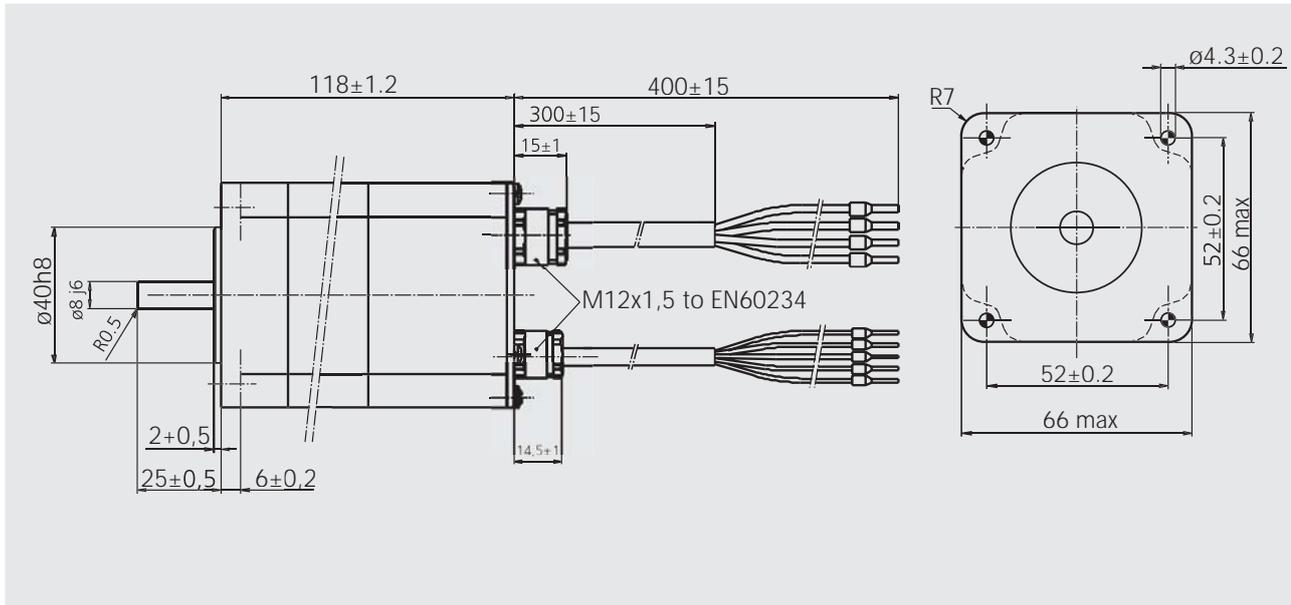


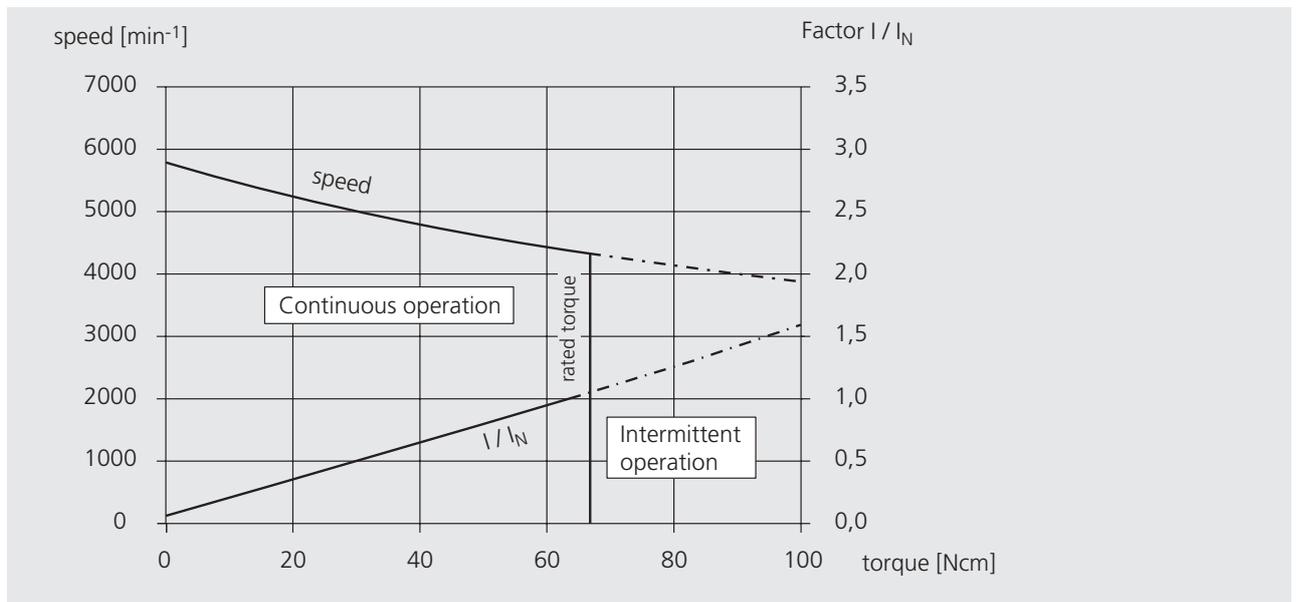
RECM 375/4



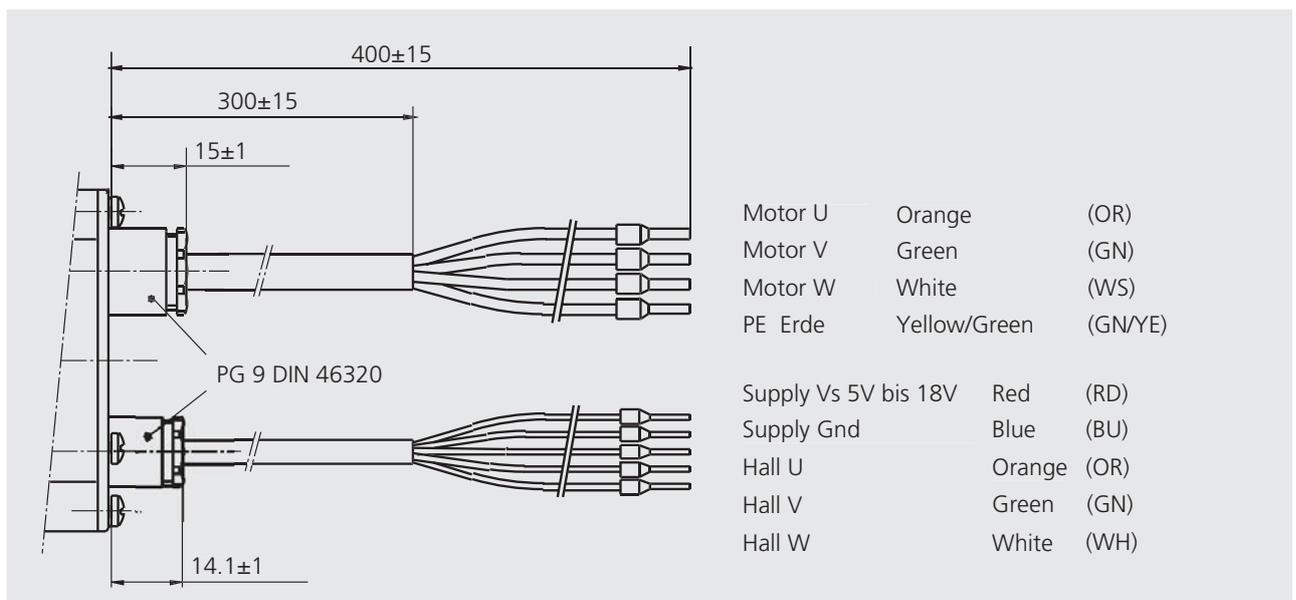
Dimensional drawing RECM 375/4

Technical data

Intermediate circuit voltage U_{DC}	V	48	60	325
Number of pole pairs p		4	4	4
Rated power P_N	W	310	310	320
Rated torque M_N	Nm	0.68	0.68	0.68
Rated speed n_N	1/min	4350	4350	4500
Rated current I_N	A	8.42	6.7	1.3
Rated current \hat{I}_N	A	10.31	8.2	1.6
No load speed n_0	1/min	5850	5850	6050
No load current I_0	A	0.63	0.51	0.10
Permanent holding torque M_{d0}	Nm	0.88	0.88	0.88
Permanent holding current I_{d0}	A	11.10	9.1	1.9
Permanent holding current \hat{I}_{d0}	A	13.59	11.1	2.3
Max. torque M_{max}	Nm	2.10	2.10	2.10
Max. current I_{max}	A	27.4	21.9	4.2
Self-holding torque M_S	Nm	0.045	0.045	0.045
Torque constant (M_{d0}/\hat{I}_{d0}) k_M	Nm/A	0.065	0.079	0.379
Generator voltage constant k_{Ett}	mV/(1/min)	5.848	7.311	38.015
Terminal resistance R_{tt}	Ω	0.18	0.25	5.52
Terminal inductance L_{tt}	mH	0.778	1.215	32.854
Rotor moment of inertia J_R	kgcm ²	510	510	510
Thermal resistance (coil / surface) R_{th1}	K/W	0.42	0.42	0.42
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	1.7	1.7	1.7
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 375/4



Pin assignment RECM 375/4