Engineering data (WIN 1199)		
DC bus voltage	24	V DC
Nominal AC voltage	15	V AC (rms)
Rated voltage	12	V AC (rms)
Rated power	57	W
Rated speed	6000	rpm
Rated torque	0.09	Nm
Rated current	4.03	A (rms)
Peak torque	0.4	Nm
Peak current	17.7	A (rms)
Stall torque	0.1	Nm
Stall current	4.11	A (rms)
No load speed	9990	rpm
EMF constant ±10%	1.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.02	Nm / A (rms)
Torque constant ±10% @ rated load	0.02	Nm / A (rms)
Number of poles	6	
Electrical time constant	0.31	ms
Winding terminal resistance	0.64	Ω
Rotary field terminal inductance	0.2	mH

Customs info	
HS Code	85015100

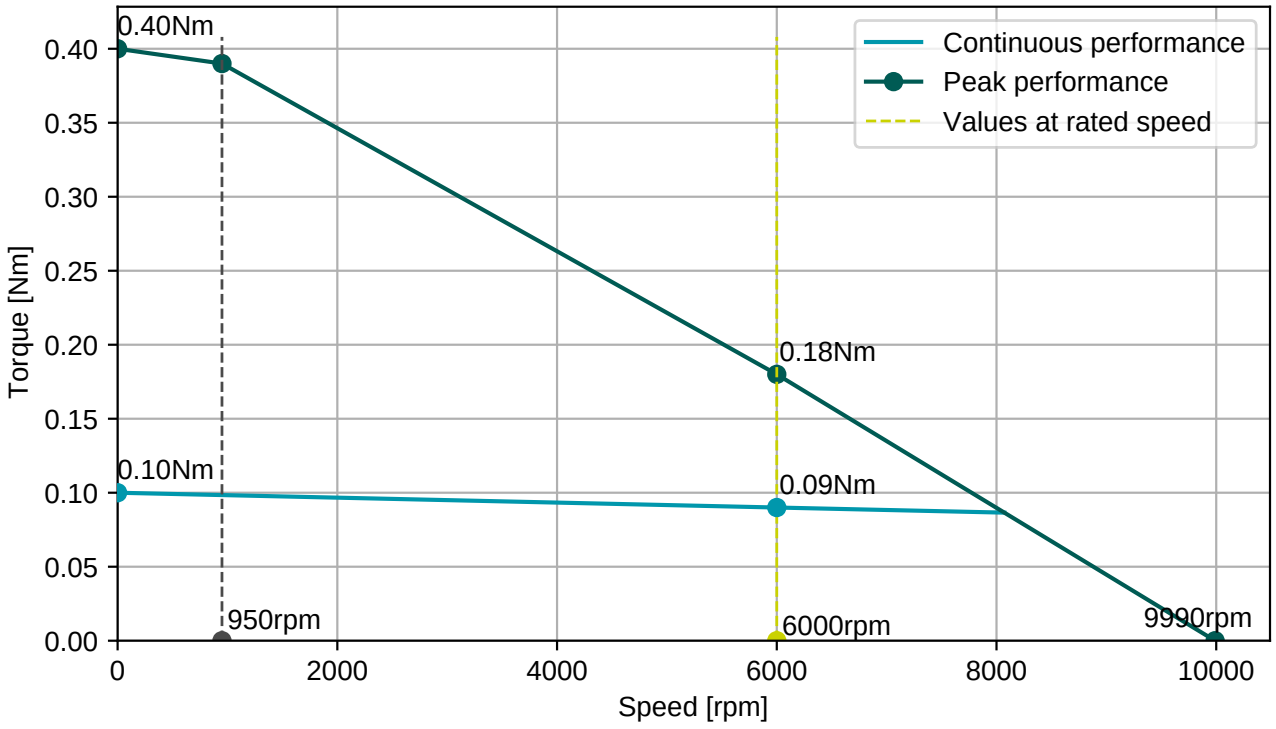
Mechanical data (setting 5)		
Max mechanical speed	12000	rpm
Mech. time constant	4.32	ms
Thermal time constant	18	min
Rotor inertia	0.024	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

Sensors	
Temperature	PTC 111-K13 {PTC 111-K13 Reissmann}

Note

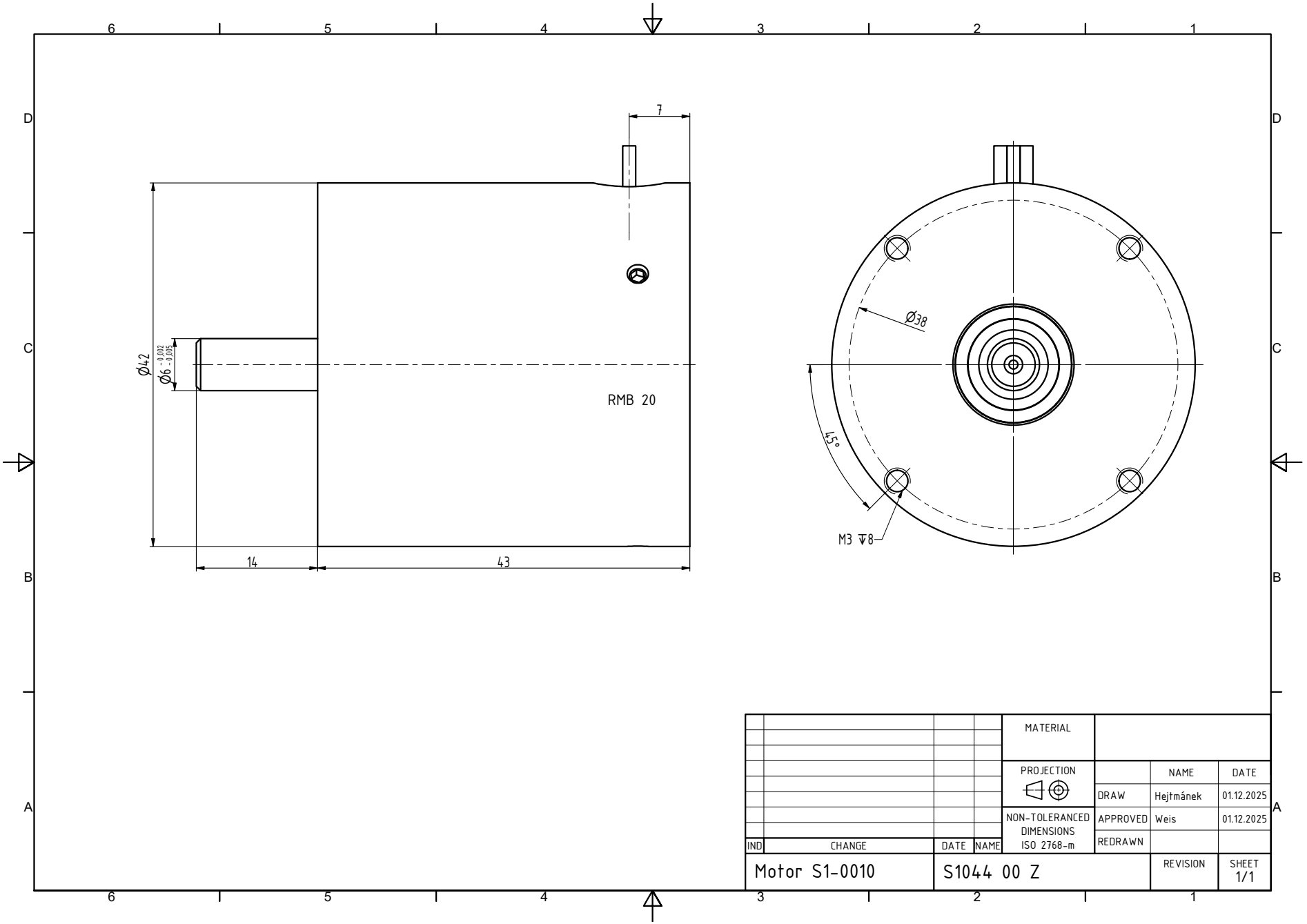
Possible encoders:
Incremental encoder
SSI

Torque / speed curve



Connector 1 (322)	
white	U
blue	V
red	W

2x Therm


7
Ø42
Ø6 -0.002 -0.005
RMB 20
14
43
Ø38
45°
M3 ↧8
MATERIAL
PROJECTION
NON-TOLERANCED DIMENSIONS ISO 2768-m
NAME
DATE
DRAW
Hejtmánek
01.12.2025
APPROVED
Weis
01.12.2025
REDRAWN
IND
CHANGE
DATE
NAME
Motor S1-0010
S1044 00 Z
REVISION
SHEET
1/1