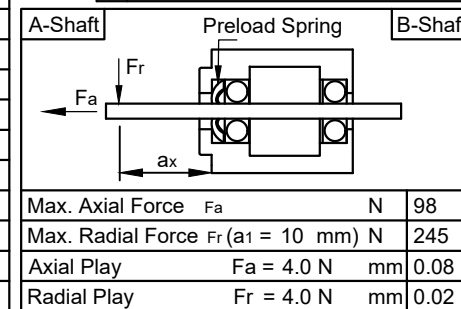
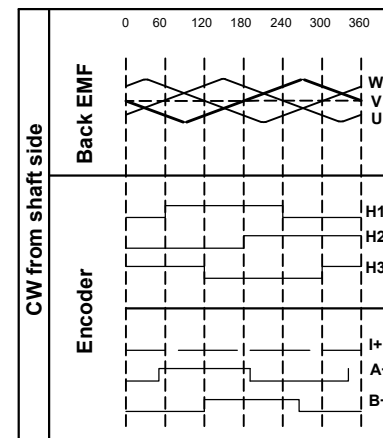
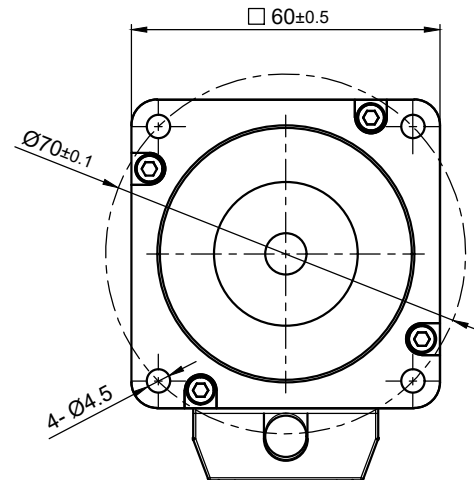
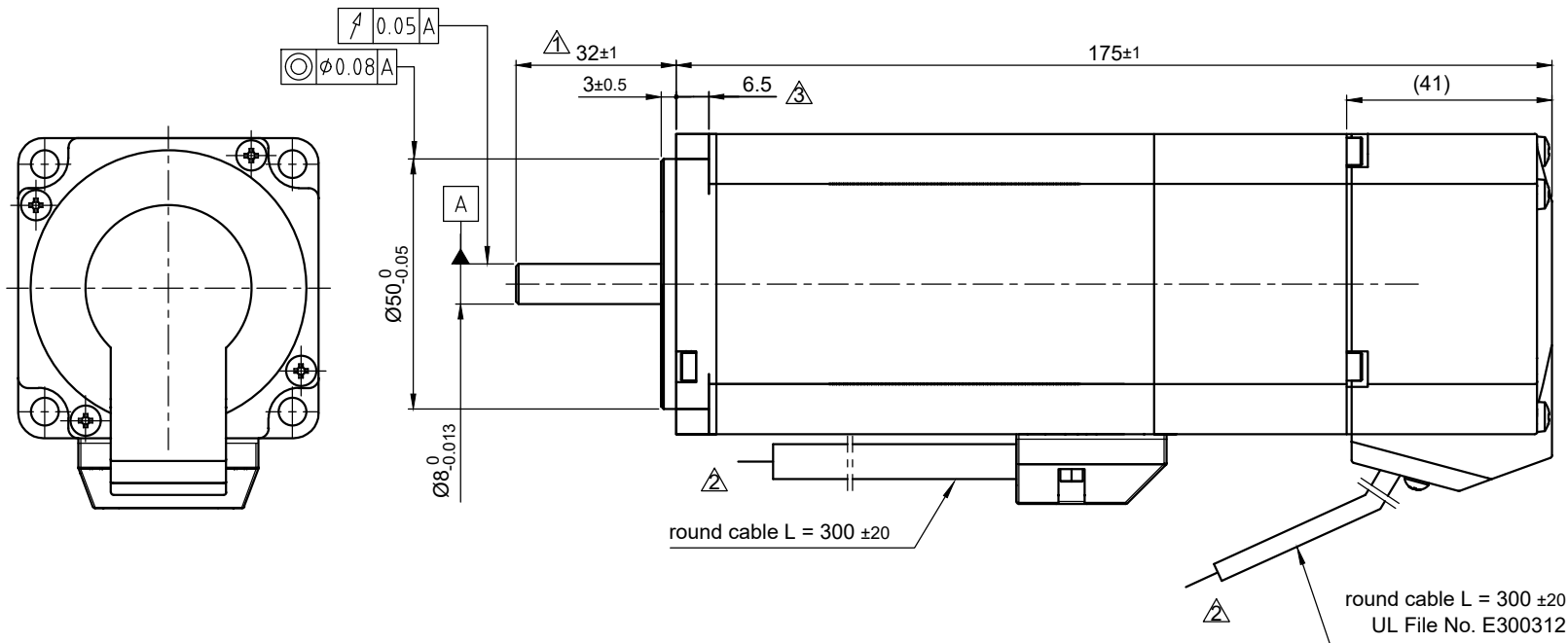




MOTOR SPECIFICATION

No. of Poles	8
Rated Voltage	V DC 48
Current - No Load / Rated / Peak	A 1.32 / 12 / 36
Resistance Line to Line	±10% Ω 0.25
Inductance Line to Line (1kHz)	±20% mH 0.55
Torque - Rated / Peak	Nm 1.27 / 3.81
Torque Constant	Nm/A 0.107
Rated Power	W 399
Speed - No Load / Rated	±10% rpm 4900 / 3000
Rotor Inertia	kg m ² 43 x10 ⁻⁶

GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-20 ... 40
Max. Temperature Rise (at standstill)	°C	90
Max. Ambient Humidity (non condensing)	%	90
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500
Protection Class		IP65

BRAKE SPECIFICATION

Power Consumption	W	7.2
Static Brake Torque	Nm	1.3
Operating Voltage	V DC	24
Max. Backlash	°	<1
Dielectric Strength	V DC	500
Insulation Resistance	MΩ	50

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	YE	U	UL758 AWG16
	RD	V	
	BK	W	
Brake	RD	+24VdC	UL758 AWG20
	WH	GND	

ENCODER SPECIFICATION

Operating Voltage	±5% V DC	+5 V
Resolution	cpr	2500
Resolution (cpr with quadrature)	ppr	10000
No. of Channels		3
Signal Type	incremental	
Index / Line Driver	yes / yes	

PIN Assignment Encoder

Colour	Function
RD	+5V
BK	GND
-	-
BN/BK	H1+
BN	H1-
YE	I+
GN	B+
BU/BK	A+
GY/BK	H3+
WH/BK	H2+
YE/BK	I-
GN/BK	B-
BU	A-
GY	H3-
WH	H2-
-	Shield



ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
			Date
			Name
03	add. dimension	Schneid_A	20.12.2023
02	revise drawing	Schneid_A	24.11.2020
01	change A-shaft	Schneid_A	07.05.2020
REV	Rev. Text	Name	Date



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State: Released

Rev: 03

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