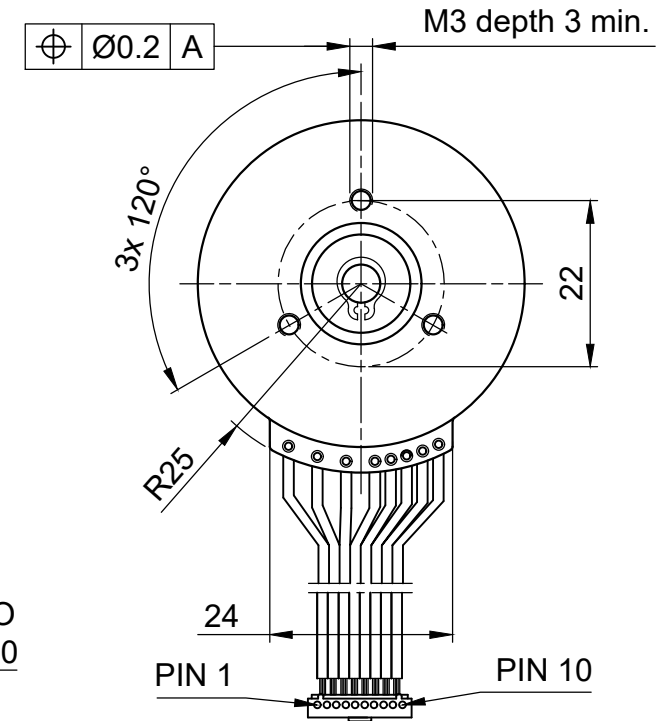
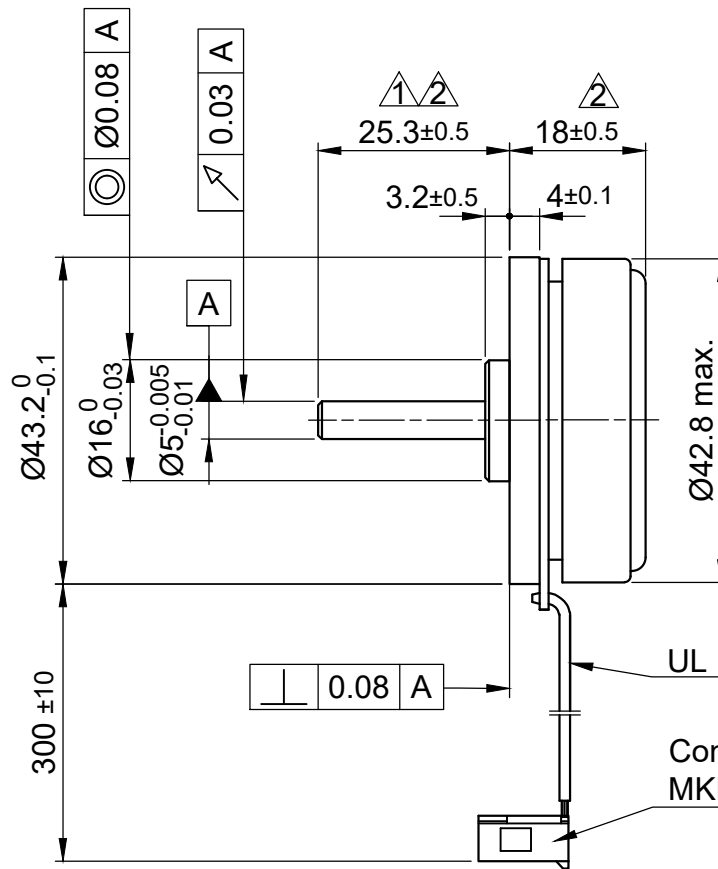
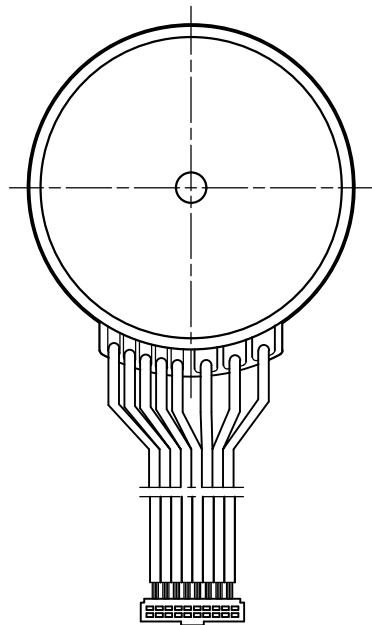




UL 1430, AWG 24

Connector: STOCKO
MKF 13270-6-0-1010

MOTOR SPECIFICATION

No. of Poles	16
Rated Voltage	V DC 24
Current - No Load / Rated / Peak	A <0.3/1.58/4.8
Resistance Line to Line	±10% Ω 1.47
Inductance Line to Line (1kHz)	±20% mH 0.61
Torque - Rated / Peak	Nm 0.05 /0.15
Torque Constant	Nm/A 0.0355
Rated Power	W 30
Speed - No Load / Rated	±10% rpm 6500 /5000
Rotor Inertia	kg m ² 9.9 x10 ⁻⁶

WIRING DIAGRAM

	PIN	Colour	Function	Lead Gauge
Motor	1	GY	U	UL1430 AWG24
	2	BN	V	
	3	YE	W	
Hall 48 Impl. per Rev.	8	RD	VHall 3.3..18VDC	UL1430 AWG24
	6	BU	H1	
	5	GN	H2	
	7	WH	H3	
	4	BK	GND	

A-Shaft		Preload Spring		B-Shaft	
Fr		Fa		ax	
Max. Axial Force		Fa	N	10	
Max. Radial Force		Fr (a1 = 10 mm)	N	28	
Axial Play		Fa = 4.0 N	mm	0.14	
Radial Play		Fr = 4.0 N	mm	0.02	

CW from shaft side	Hall Signal	H1 H2 H3
	Phase Voltage	U-V V-W W-U
	Back EMF	

GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-20 ... 50
Max. Temperature Rise (at standstill)	°C	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715	
						Date	Name
						Drawn	04.12.2017 Import
						Reviewed	10.06.2020 Knoll_J
						Released	10.06.2020 Knoll_J
02	revise drawing	Schneid_A	17.06.2020				
REV	Rev. Text	Name	Date				



DF45S024050-C2				Weight: 0.08 kg	
03000194					
State: Released		Rev: 02		CONFIDENTIAL	
				A4 Page 1	