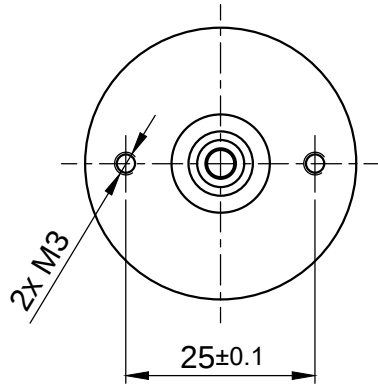
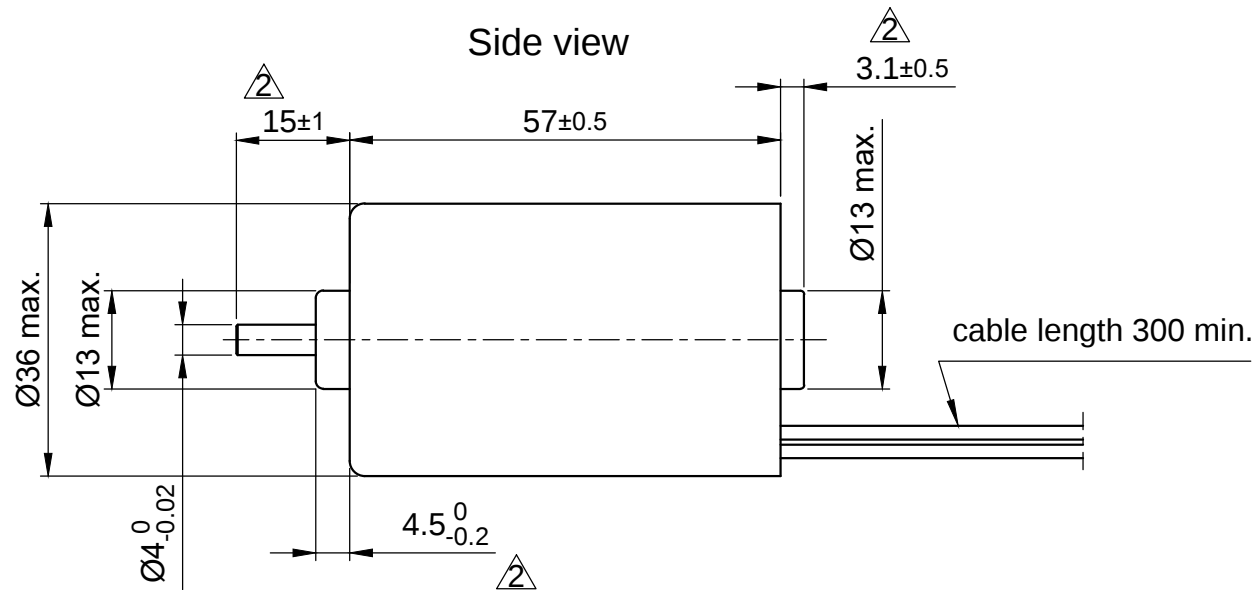


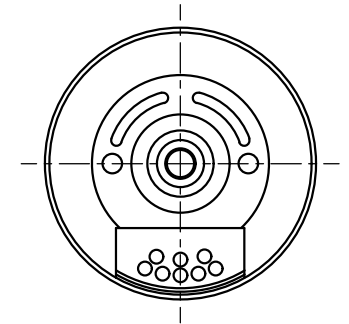
Front view and mounting



Side view



Rear view



MOTOR SPECIFICATION

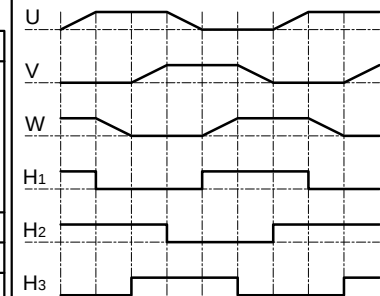
No. of Poles	8
Rated Voltage	V DC 24
Current - Rated / Peak	A 1.9 5.7
Resistance Phase to Phase ±15%	Ω 1.1
Inductance Phase to Phase (1kHz) ±20%	mH 1.2
Torque - Rated / Peak	Nm 0.07 0.21
Torque Constant	Nm/A 0.0368
Power - Rated	W 33
Speed - No Load / Rated ±10%	rpm 5700 4500
Rotor Inertia	kg m ² 2.7 $\times 10^{-6}$

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor 8 pol.	YE	U	UL1430 AWG24
	BN	V	
	OG	W	
Hall 24 Impl. per Rev.	RD	+5V	UL1430 AWG26
	BU	H1	
	GN	H2	
	WH	H3	
	BK	GND	

A-Shaft		Preload Spring		B-Shaft	
Fa		Fr		ax	
Max. Axial Force F_a		N		10	
Max. Radial Force F_r ($a_1 = 10$ mm)		N		15	
Axial Play $F_a = 4$ N		mm		0.08	
Radial Play $F_r = 4$ N		mm		0.02	

CW FROM OUTPUT SHAFT



GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	Min. -10	Max. 50
Max. Temperature Rise (at standstill - 2 phases energized)	°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	600	

ISO 8015

ISO 1302

ISO 2768-1 cK

ISO 13715

Weight: 0.25 kg

	Date	Name
Drawn	04.12.2017	Import
Checked	18.01.2018	Seimel_G
Approved	19.01.2018	Seimel_G
REV	Rev. Text	Name
02	revise draw.-dim.	Seimel_G
01	Updtd. Rotor Inertia	Seimel_G
19.01.2018		
19.01.2018		

Nanotec
PLUG & DRIVE

DBL36L024045-A

03000160

State: Released

Rev: 02

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