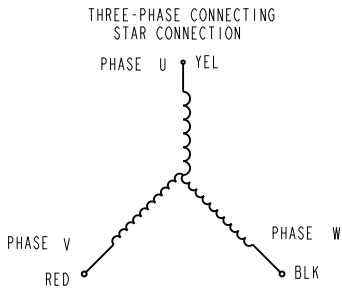
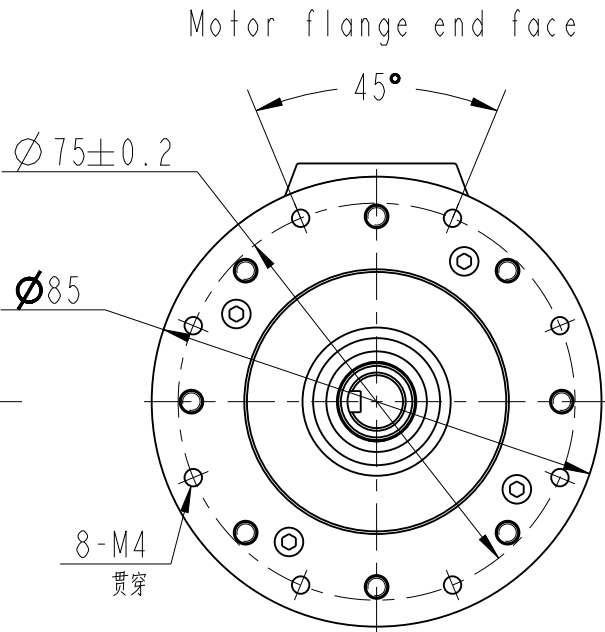
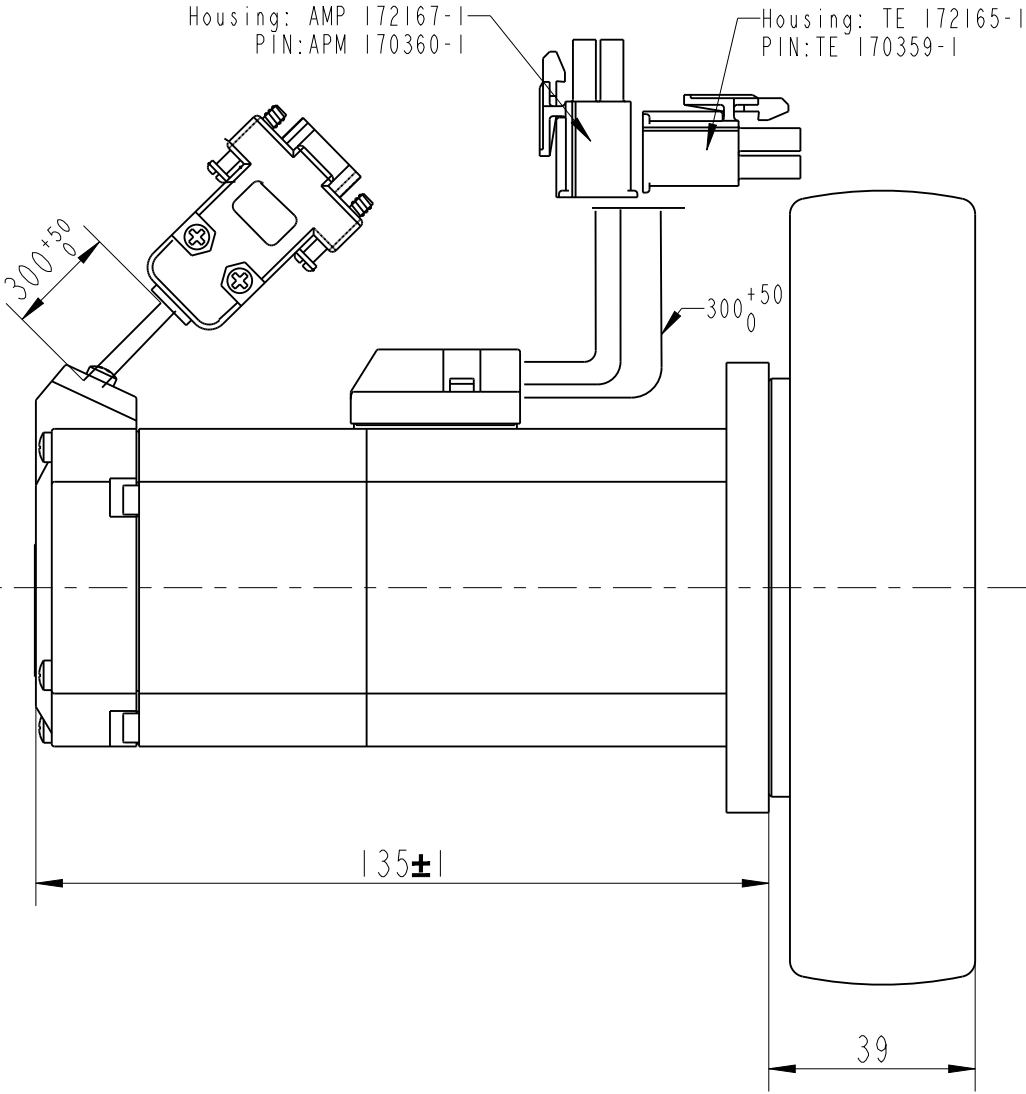
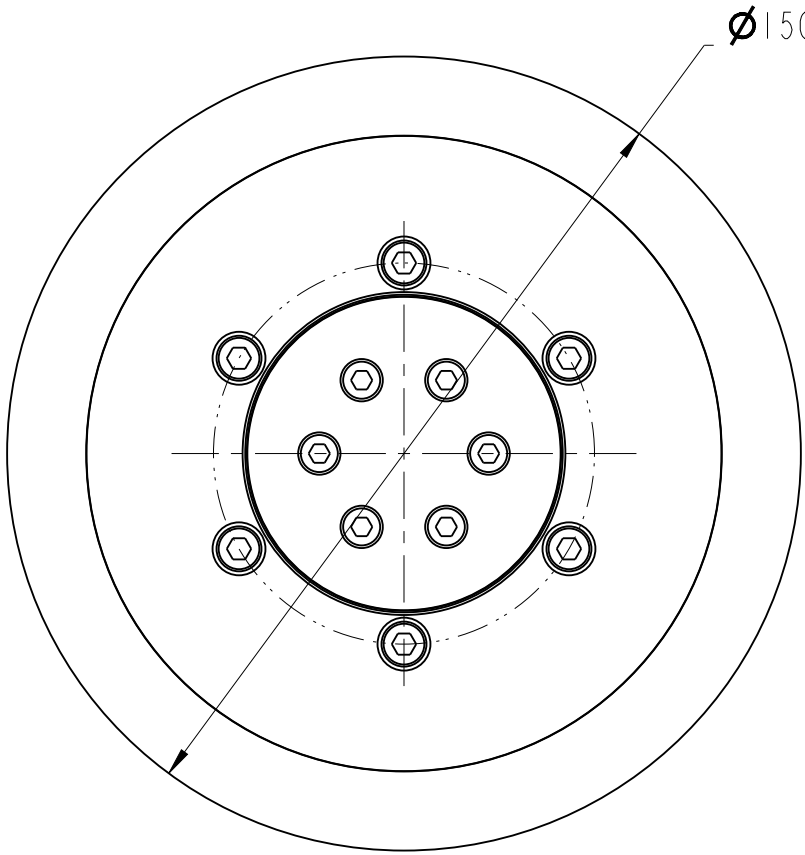


REV	ECN	NO	DESCRIPTION	DRN	APP'D	DATE



Gearbox Specification

Ratio	Nominal output torque	Maximum output torque	Nominal input speed	Maximum input speed
9:1	13Nm	26Nm	3000rpm	6000rpm

Specification after gearbox:
Rated speed: 311rpm±10
Rated torque: 10.8Nm

PRELIMINARY

Power outlet
Connector: TE 170167-1

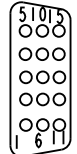
PIN	Define	Colour
PIN1	U	YEL
PIN2	V	RED
PIN3	W	BLK

Brake (24V 1.5N.m)
Connector: 170165-1

PIN	DEfine	Colour
PIN1	Brake1	RED
PIN2	Brake2	WHT

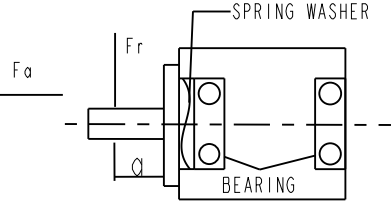
Connector Detail (Feedback Wire)

Colour	PIN	Define	Colour	PIN	Define
RED	pin1	+5V	WHT	pin9	W+
BLK	pin2	GND	GRA	pin10	V+
/	pin3	/	YEL/BLK	pin11	Z-
BRN	pin4	U+	ORN/BLK	pin12	B-
BRN/BLK	pin5	U-	GRN/LK	pin13	A-
YEL	pin6	Z+	WHT/BLK	pin14	W-
ORN	pin7	B+	GRA/BLK	pin15	V-
GRN	pin8	A+	PE	SHIELD	

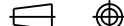


DB 15M

PERMISSIBLE RADIAL+AXIAL FORCE



NUMBER OF PHASE	绕组相数	3	Wires for Phases AWG19		
NUMBER OF POLES	极数	10	PHASE U	PHASE V	PHASE W
LINE TO LINE RESISTANCE	线电阻	TBD ±10% ohms@20°C	YEL	RED	BLK
LINE TO LINE INDUCTANCE	线电感	TBD ±20% mH@1kHz	Feedback Info		
NOMINAL VOLTAGE	额定电压	48 VDC	Feedback device: 2500ppr incremental magnetic encoder		
NO LOAD SPEED	空载转速	3900±10% RPM			
NO LOAD CURRENT	空载电流	1 A(ref)			
RATED TORQUE	额定转矩	1.27 N.m			
RATED SPEED	额定转速	2800 RPM			
RATED CURRENT	额定电流	10 A			
PEAK TORQUE	峰值扭矩	3.81 N.m			
PEAK CURRENT	峰值电流	30 A			
BACK EMF CONSTANT	反电势常数	8.7 Vrms/kRPM			
TORQUE CONSTANT	转矩常数	0.14 N.m/A			
INSULATION CLASS	绝缘等级	F 155°C	AXIAL-FORCE	轴向压力	Fa= / N Max
DIELECTRIC STRENG	介电强度	600VAC ISEC	DISTANCE	距离	a= / mm
INSULATION RESIST	绝缘电阻	100MOhm @500VDC	RADIAL-FORCE	径向压力	Fr= / N Max
ROTOR INERTIA	转子转动惯量	/ Kg.cm²	SHAFT RADIAL PLAY	径向间隙	/ mm Max.@4N
WEIGHT	重量	/ Kg	SHAFT AXIAL PLAY	轴向间隙	/ mm Max.@4N
OPERATION AMBIENT	使用环境	Ambient temperature: -20...+50°C, humidity Max.85%(No condensation)			
STORAGE AMBIENT	存储环境	Ambient temperature: -20...+85°C, humidity Max.85%(No condensation)			

A					DESIGN	DATE	P/N.			
REV	ECN NO.	DESCRIPTION			w+1	23-9-8				
UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: .X ±0.5 .XX ±0.25 .XXX ±0.1 UNIT: mm DO NOT SCALE DRAWING		MATERIAL	CONTR.	CHECK	TITLE				SPECIFICATIONS	
					APPD	USED ON		FL60SV40-48V-28EA2-HVG09		
		FIRST ANGLE PROJECTION			SCALE 1:1		FULLING MOTOR			
					SHEET 1 OF 1					