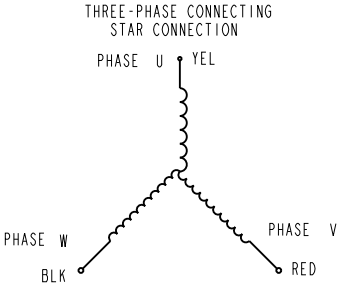
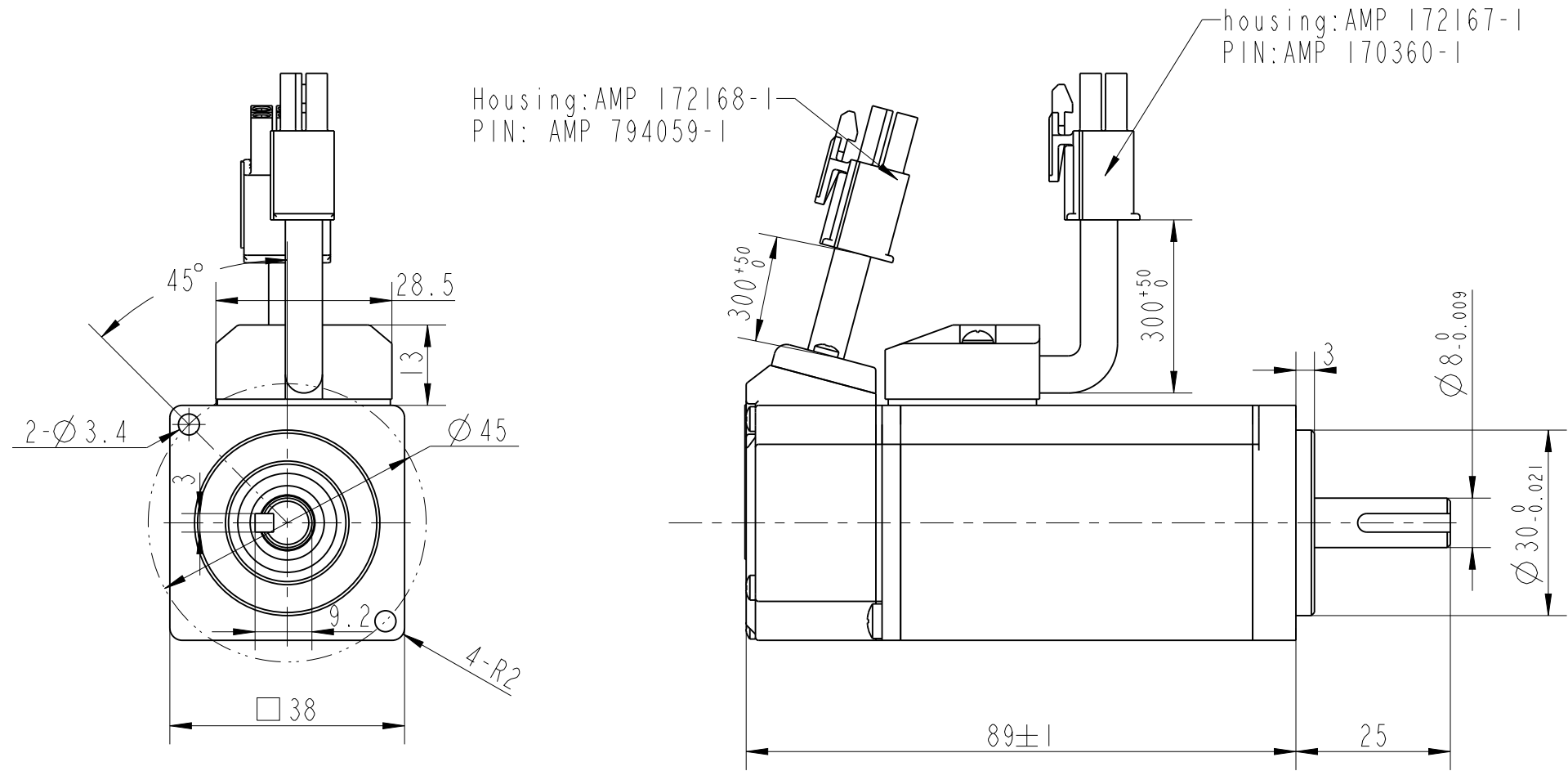


REV	ECN NO	DESCRIPTION	DRN	APP'D	DATE



电源接线定义

PIN位置	接口定义	引出线线色
PIN1	U	黄
PIN2	V	红
PIN3	W	黑

NUMBER OF PHASE	绕组相数	3	Wires for Phases AWG20(0.5mm ²)		
NUMBER OF POLES	极数	10	PHASE U	PHASE V	PHASE W
LINE TO LINE RESISTANCE	线电阻	0.95±10% ohms@20°C	YEL	RED	BLK
LINE TO LINE INDUCTANCE	线电感	0.7±20% mH@1kHz	Feedback Info		
NOMINAL VOLTAGE	额定电压	48 VDC	Feedback device:17bit absolute magnetic encoder		
NO LOAD SPEED	空载转速	6800±10% RPM			
NO LOAD CURRENT	空载电流	0.42 A(ref)	PERMISSIBLE RADIAL+AXIAL FORCE		
RATED TORQUE	额定转矩	320 mN.m			
RATED SPEED	额定转速	3000 RPM			
RATED CURRENT	额定电流	4.2 A			
PEAK TORQUE	峰值扭矩	960 mN.m			
PEAK CURRENT	峰值电流	12.6 A			
BACK EMF CONSTANT	反电势常数	5 Vrms/kRPM			
TORQUE CONSTANT	转矩常数	83 mN.m/A			
INSULATION CLASS	绝缘等级	F 155°C	AXIAL-FORCE	轴向压力	Fa=59 N Max
DIELECTRIC STRENG	介电强度	600VAC ISEC 2mA	DISTANCE	距离	a=12.5 mm
INSULATION RESIST	绝缘电阻	100MOhm @500VDC	RADIAL-FORCE	径向压力	Fr=69 N Max
ROTOR INERTIA	转子转动惯量	0.04X10 ⁻⁴ kg.m ²	SHAFT RADIAL PLAY	径向间隙	0.02 mm Max.@4N
WEIGHT	重量	0.49Kg	SHAFT AXIAL PLAY	轴向间隙	0.08 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)			

编码器接线定义

PIN位置	接口定义	引出线线色
PIN1	/	/
PIN2	485+	绿色
PIN3	485-	黄色
PIN4	+5V	红色
PIN5	GND	黑色
PIN6	PE	屏蔽网

PRELIMINARY

A			DESIGN	DATE	P/N.	SPECIFICATIONS	
REV	ECN NO.	DESCRIPTION	Lu omm	24.12.13	TITLE	38伺服电机	
UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: .X ±0.5 .XX ±0.25 .XXX ±0.1 UNIT: mm DO NOT SCALE DRAWING		MATERIAL	WEIGHT	CHECK	USED ON	FL38SVL10-48V-30MAA1	
			SHEET	STANDARDIZATION	DWG NO.		REV A
		FIRST ANGLE PROJECTION		SCALE	APPD	FULLING MOTOR	
				1:1			