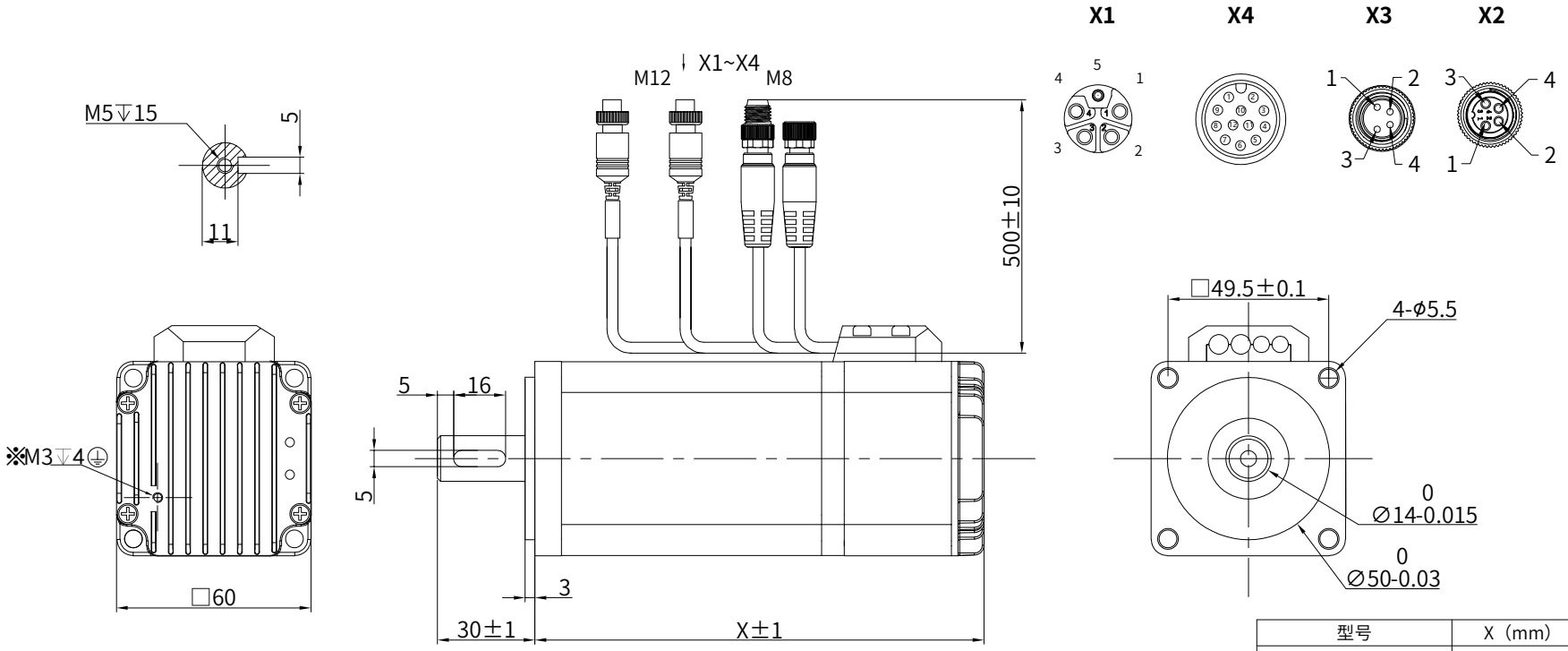
接线表

端子	X1 电源						X4 I/O													X2 IN					X3 OUT				
位号	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	外壳	1	2	3	4	外壳
信号 CANopen	电源-	控制电源+	制动电阻-	驱动电源+	制动电阻+	-	DO1+	DO_COM	AI1	AGND	BAT_PWR	GND	STO_FB-/DI1+	STO_FB+/DI1-	NC/DI2+	STO_COM/DI2-	STO2/DI3+	STO1/DI3-	-	-	GND	CAN_L	CAN_H	GND	PE	GND	CAN_L	CAN_H	GND	PE
EtherCAT	电源-	控制电源+	制动电阻-	驱动电源+	制动电阻+	-	DO1+	DO_COM	AI1	AGND	BAT_PWR	GND	STO_FB-/DI1+	STO_FB+/DI1-	NC/DI2+	STO_COM/DI2-	STO2/DI3+	STO1/DI3-	-	-	TX+	RX+	RX-	TX-	PE	TX+	RX+	RX-	TX-	PE
RS485	电源-	控制电源+	制动电阻-	驱动电源+	制动电阻+	-	DO1+	DO_COM	AI1	AGND	BAT_PWR	GND	STO_FB-/DI1+	STO_FB+/DI1-	NC/DI2+	STO_COM/DI2-	STO2/DI3+	STO1/DI3-	-	-	GND	RS485+	RS485-	GND	PE	GND	RS485+	RS485-	GND	PE

版本 REV.MARK	变更内容 REVISION RECORD	签名 SIGNARURE	日期 DATE



	PSM6020-XXX-B-(S)-24V-0HE-LP	PSM6020-XXX-B-(S)-0HE(B)-LP	PSM6040-XXX-B-(S)-0HE(B)-LP
额定功率/Rated Power	200W	200W	400W
额定电压/Rated Voltage	24VDC	48VDC	
额定电流/Rated Current	11.5A	8A	12A
额定力矩/Rated Torque	0.64Nm		1.27Nm
额定转速/Rated Speed	3000rpm		
峰值力矩/Peak Torque	1.27Nm		2.54Nm
制动器电压/Brake Voltage	–	(24VDC)	
制动器功率/Brake Power	–	(7.2W)	
运行方式/Operation Mode	PP/PV/PT/CSP/Home		
通信方式/Communication Mode	EtherCAT CANopen RS485		
编码器型号/Enconder Type	17位		
转子惯量/Rator Inertia	$0.14*10^{-4}$ Kg.m^2		$0.21*10^{-4}$ Kg.m^2
重量/Weight	1.15kg	1.1kg(1.5kg)	1.6kg(2.0kg)
工作环境温度/Working Temperature	0-40℃		
工作环境湿度/Environment Humidity	10%RH-85%RH无凝结		

型号	X（mm）
PSM6020-24V-B-(S)-0HE	114
PSM6020-B-(S)-0HE	114
PSM6020-B-(S)-0HEB	146.5
PSM6040-B-(S)-0HE	144
PSM6040-B-(S)-0HEB	176.5

未注尺寸公差 DEFAULT DIMENSIONAL TOLERANCE GB/T 1804-M

未注形位公差 DEFAULT GEOMETRIC TOLERANCE GB/T 1184-K

FIRST ANGLE METHOD

北京立迈胜控制技术有限责任公司 Beijing Nimotion Control Technology Co.,Ltd.

设计DRAWN	陈金阳	2026/11/7	图号 DWG NO.	LMS-C20-26221		型号 MODEL	PSM60XX-XXX-B-(S)-0HE(B)-LP	
审核CHK'D	任君	2026/11/7	物料编码 P/N			名称 TITLE	一体化低压伺服电机	
批准APPV'D	董春禄	2026/11/7	版本 REV	A	图幅 SIZE A4	比例 SCALE	1:2	共 1 张 第 1 张 SHEET 1 OF 1