

## MAXPOS i10

MAXPOS i10		
Motor specifications 电机特性		
Rated torque 额定扭矩	mNm	70
Rated speed 额定转速	rpm	5600
Rated current 额定电流	A	4.6
Efficiency 最大效率	%	70
Speed constant 速度常数	rpm/V	553
Torque constant 扭矩常数	mNm/A	17.3
Rotor inertia 转子惯量	gcm <sup>2</sup>	95.88
Shaft load - radial at 3,000/20,000rpm (7mm from bearing) 径向力	N	45.5/24
Shaft load - axial at 3,000/20,000rpm (axial push-on only) 轴向力	N	36/24
Shaft load - axial at standstill (axial push-on only) 轴向力	N	60
Shaft play - radial 径向间隙	mm	0.015
Shaft play - axial (spring) 轴向间隙	mm	0.015

Positioning controller specifications 定位控制器特性		
Rated voltage 额定电压	VDC	24
Rated output torque 额定输出扭矩	Nm	12
Max output torque 最大输出扭矩	Nm	24
Mechanical factory setting 出厂设定	°	0
Position accuracy 定位精度	°	0.1
Protection degree 防护等级		IP54
Storage temperature 存储温度范围	°C	-30...+85
Operation temperature 工作温度范围	°C	-20...+70
Force on shaft on axial 轴向力	N	150
Force on shaft on radial 径向力	N	185

M12 4-Pin A-Code		
Pin	Define	Note
1	+24VDC	Power
2	GND	Power ground
3	Enable	Controller enable
4	Direction	Controller direction

M12 4-Pin B-Code		
Pin	Define	Note
1	DI1	Digital input 1
2	DI2	Digital input 2
3	DI3	Digital input 3
4	GND	GND

D Sub9 pin male		
Pin	Define	Note
1	CAN-H	CAN high
2	CAN-L	CAN low
3	GND	GND
4	RxD	RS-485 Rx
5	TxD	RS-485 Tx
6	GND	GND
7	AI+	Analog input 1+
8	AI-	Analog input 1-
9	N/A	N/A

