Series Name
RMD-X V4.1

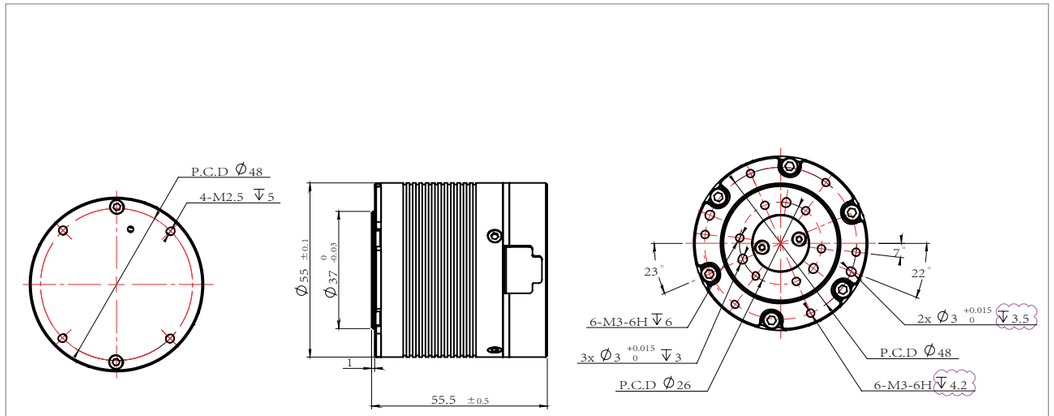
Motor Simplified Name
X4-10-L



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X4-P12-10-E-L	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



Product Parameters

Parameters	Unit	X4-10-L
Reduction Ratio	—	12.5
Input Voltage	V	24
Voltage Range	V	20-55
No-load Speed	RPM	317
No-load InputCurrent	A	1
Rated Speed	RPM	238
Rated Torque	N.m	4
Rated Output Power	W	100
Rated Phase Current	A(rms)	7.8
	A(peak)	11
Peak Torque	N.m	11
Stall Torque	N.m	12
Stall Phase Current	A(rms)	21.2
Efficiency	%	69
Motor Back EMF Constant	Vdc/Krpm	5
Module Torque Constant	N.m/A(rms)	0.62
	N.m/A(peak)	0.44
Motor Line Resistance	Ω	0.207
Motor Line Inductance	mH	0.037
Pole Pairs	—	11
Wiring Mode	—	Y
Backdrive Torque	N.m	0.2
Backlash	Arcmin	15
Output Shaft Bearing Model	—	6707-ZZ
Axial Load C	KN	-
Radial Load Cr	KN	-
Moment of Inertia	Kg.m²	0.000022
Encoder Type	—	Dual Encoder ABS 17BIT/18BIT
Absolute Positioning Accuracy	Degree	0.4
Repeat Positioning Accuracy	Degree	0.7
Communication Interface	—	EtherCAT / CAN BUS
Weight	Kg	0.33
Insulation Class	—	F
Dimensions	mm	55×55.5
Hollow Shaft Diameter	mm	-

Note:

1.The maximum operating voltage of the motor is 55V. It is recommended that customers add an external capacitor to regulate voltage, so as to ensure stable battery power supply and protect the PCB from damage caused by voltage fluctuations.

2. If voltage exceeds the rated value, the operating speed must not exceed the motor's rated speed.