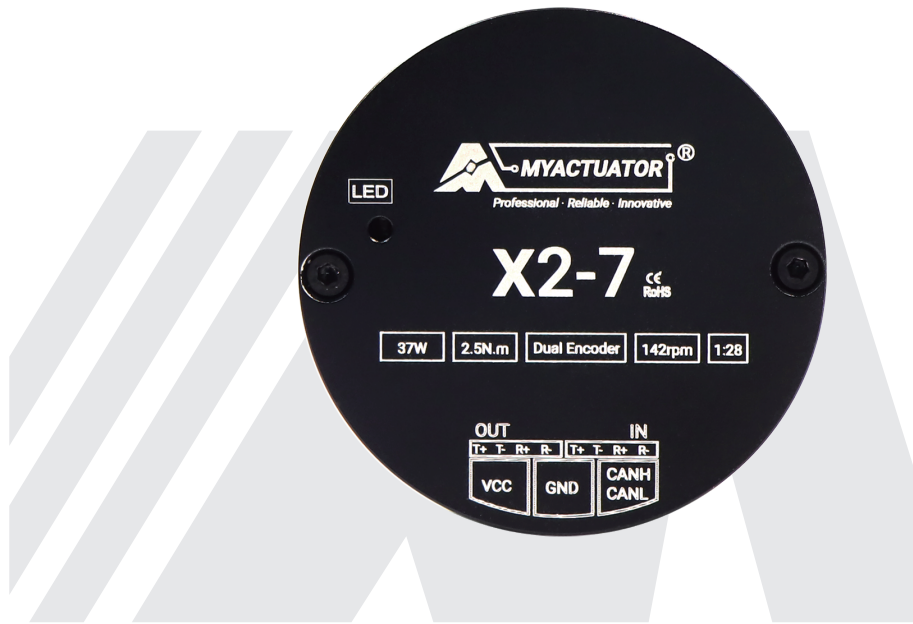


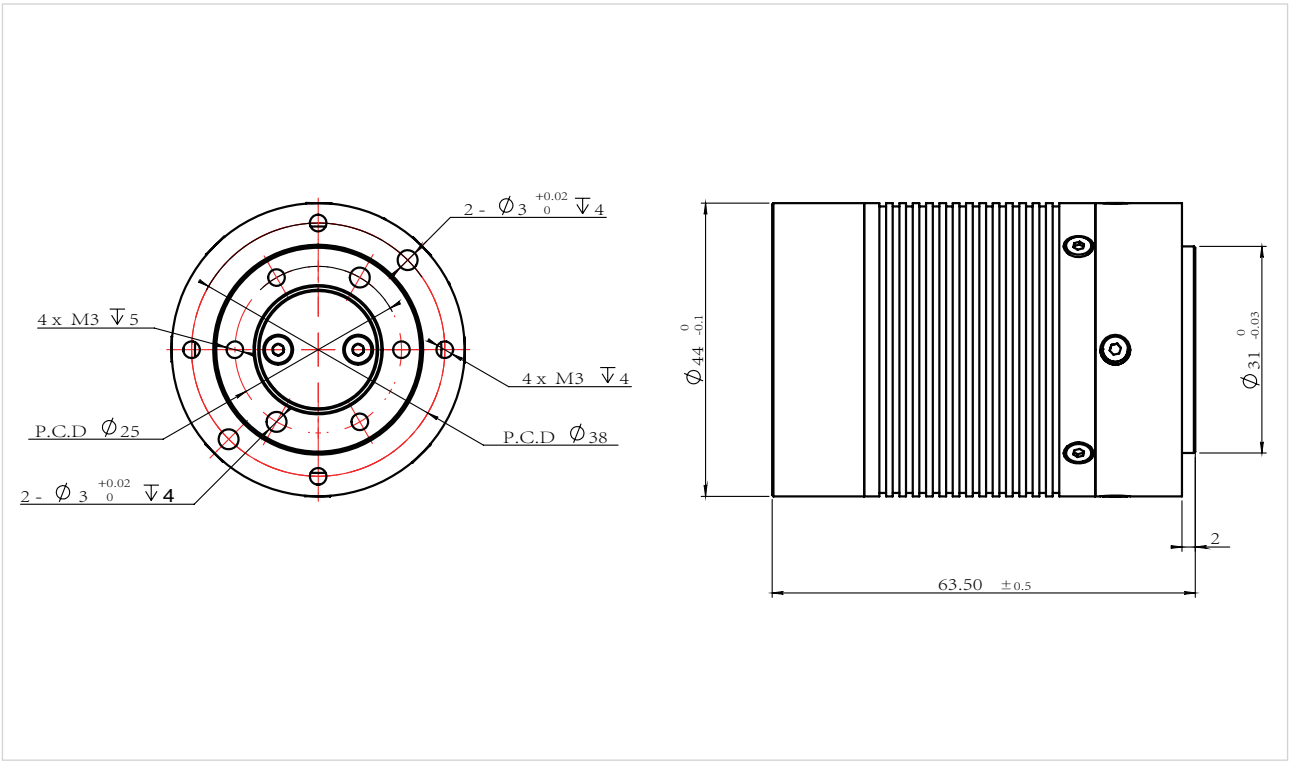
Series Name
RMD-X
Motor Simplified Name
X2-7



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X2-P28-7-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



Product Parameters

Parameters	Unit	X2-7
Gear Ratio	—	28.17
Input Voltage	V	24
No Load Speed	RPM	178
No-Load Input Current	A	1
Rated Speed	RPM	142
Rated Torque	N.m	2.5
Rated Power	W	37
Rated Current	A	3
Peak Torque	N.m	7
Peak Current	A	8.1
Efficiency	%	63
Motor Back-EMF Constant	Vdc/Krpm	4.3
Module Torque Constant	N.m/A	0.8
Motor Phase Resistance	Ω	0.61
Motor Phase Inductance	mH	0.13
Pole Pair	—	13
3 Phase Connection	—	Y
Back Drive Torque	N.m	0.4
Backlash	Arcmin	≤15
Output Bearing Type	—	Deep Groove Ball Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	1
Inertia	Kg.cm ²	0.17
Encoder Type & Interface	—	Dual Encoder ABS-17BIT(Input) / 18BIT(Output)
Control Accuracy	Degree	<0.01
Communication	—	EtherCAT & CAN BUS
Weight	Kg	0.26
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X2-7	3.75	20	15	4.3
	5	48	10	5.7
	6.25	31	8	7.4
	7.5	59	5	8.6