

iSML Integrated Servo Wheel Hub Motor



- ✓ Large torque and high overload capacity
- ✓ High protection class(IP67)
- ✓ Smooth operation at low speed
- ✓ The drive and wheel hub are integrated, making installation convenient

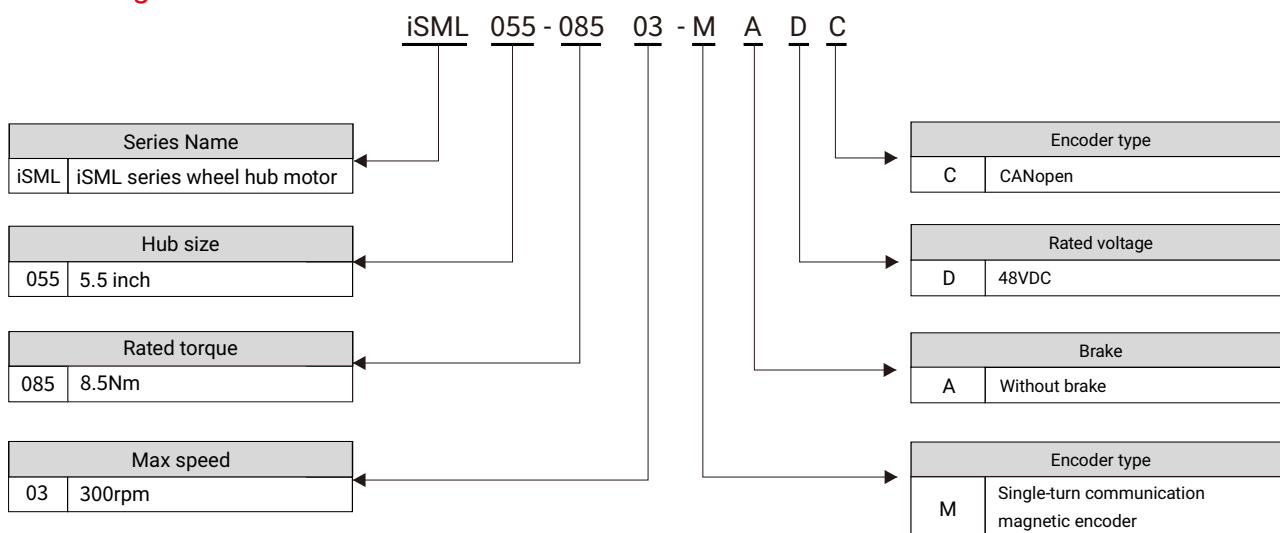
Product Features

Service industry: Service robots that can be applied in areas such as cleaning, disinfection, inspection, distribution, and guidance

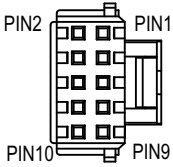
logistics storage: Drive AGV to complete tasks such as goods handling ,loading and unloading

Medical equipment industry: Minimal system

Naming rule

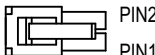


■ Interface definition



PIN	signal	color
1	DOUT1	red
2	DI1	white
3	CANH	yellow
4	CANL	orange
5	COM	green
6	GNDC	black
7	RS485A	gray
8	RS485B	purple

Braking resistor interface



PIN	signal	color
1	RB-	blue
2	RB+	brown

power interface



PIN	signal	color
1	GND	black
2	VDC	red

■ Parameter Specification

Model	iSML055-08503-MADC
Tire Diameter (mm)	140
Output Shaft diameter (mm)	12mm after cutting the edges on both sides, hole diameterΦ7.5mm
Rated Voltage (VDC)	48
Rated Current (Arms)	5.5
Max Speed (rpm)	320
Rated Torque (N.m)	8.5
Peak Torque (N.m)	25.5
Insulation Resistance (MΩ)	≥200
RS485 Debug port	Max support 115.2KHz baud rate
CAN BUS	Max support 1Mbps baud rate, can use CANopen protocol to communicate with the controller
Overvoltage Alarm Voltage(V)	DC68V±2V
Undervoltage Alarm Voltage(V)	DC18V±2V
Noise	<65dB
Cooling Method	Natural cooling
Operation Temperature	0~40°C
Storage Temperature	-20~60°C
Humidity (no condensation)	Below 90% RH (no condensation)
Protection Level	IP65
Altitude	Less than 2000m,power derating 1.5%/100m between 1000m and 2000m
Atmosphere Pressure	86kpa~106kpa

Kinco® Automation

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