

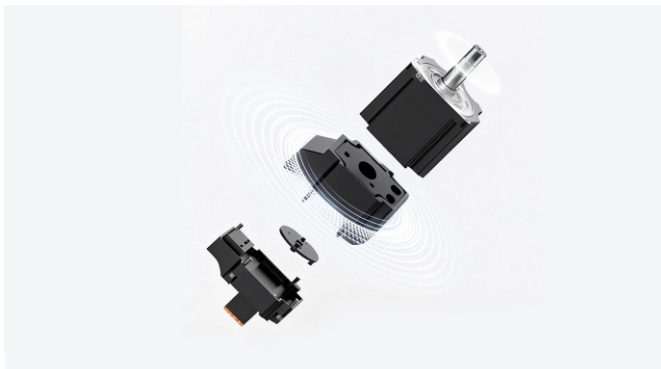
Fieldbus Integrated Stepper Motor



- Motor type: 2-phase
- Min. sync cycle: 100μs
- Control mode: Closed-loop
- Supported modes: CSP, CSV, PP, Homing, PV
- EtherCAT  CANopen 

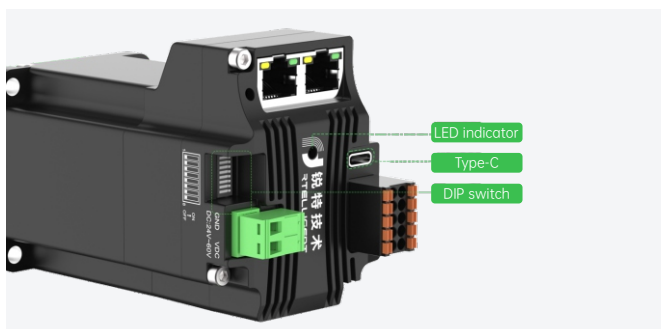
■ Small Body, Big Energy

17-bit multi-turn absolute encoder – position retention upon power-off and precise feedback



■ DIP switch configuration + Type-C debugging - Easy Setup

Type-C port – bus-powered debugging, no external supply needed – fast and convenient; 8-bit DIP switch – for slave address and baud rate configuration



■ I/O terminal with battery port for encoder backup

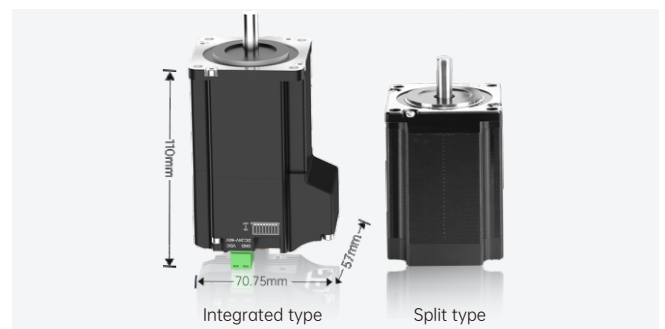
Spring-clamp I/O terminals – screw-free, plug-and-play signal wiring; 4 digital inputs (NPN & PNP compatible) + 2 digital outputs (PNP only) – flexible and practical I/O configuration



- Plug & Play
- Saving time
- Compact & Reliable

■ Space Saving

The overall length (including the IO terminals) is only 10% longer compared to a split-type closed-loop motor.



Basic Spec

Frame size	Communication protocol	Encoder	Model	Voltage (V)	Current (A)	Rated torque (N·m)	Shaft length (mm)	Shaft diameter (mm)	Body length L (mm)
57	CANopen	Single-turn encoder	IT57AM13-D0821-24V-C	24 ~ 60VDC	3.0	1.3	21	8	96.5
			IT57AM23-D0821-24V-C		5.0	2.3			97.5
			IT57AM30-D0821-24V-C		5.0	3.0			143.5
	EtherCAT		IT57AM13-D0821-24V-E		3.0	1.3			96.5
			IT57AM23-D0821-24V-E		5.0	2.3			97.5
			IT57AM30-D0821-24V-E		5.0	3.0			143.5
	CANopen	Multi-turn encoder	IT57AM13-D0821-24V-CQ		3.0	1.3			96.5
			IT57AM23-D0821-24V-CQ		5.0	2.3			97.5
			IT57AM30-D0821-24V-CQ		5.0	3.0			143.5
	EtherCAT		IT57AM13-D0821-24V-EQ		3.0	1.3			96.5
			IT57AM23-D0821-24V-EQ		5.0	2.3			97.5
			IT57AM30-D0821-24V-EQ		5.0	3.0			143.5

Naming Rule

IT 57 AM 23 - D 08 21 - 24V - E Q
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Series name IT: Integral closed loop series	② Motor frame size 20mm、28mm、42mm、 57mm、60mm、86mm	③ Motor version	
④ Motor torque 06: 0.6N·m	⑤ Motor shaft type D: Single flat K: Keyed G: Plain shaft	⑥ Shaft diameter Unit: mm	
⑦ Shaft length Unit: mm	⑧ IO signal level 5V、24V	⑨ Communication interface C: Can – CanOpen E: EtherCAT	⑩ Encoder resolution Omit: Single-turn encoder Q: Multi-turn encoder

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