MOTECK®

Actuator
ID10BT

ID10BT is a quiet actuator designed for industrial applications, which is suitable for various applications requiring low noise operation and rapid movement.

Feature

- Main applications: Industrial
- Input voltage: 24V DC
- Max. dynamic: 1000N
- Max. static load: 1500N
- Max. current: 10A @ 24V DC
- Max. speed: 72 mm/sec @ no load
- Stroke: 102 ~ 457 mm
- Duty cycle: 25%, max. 2 min. continuous operation in 8 min.
- Ambient operation temperature: -25°C ~ +65°C
- Life cycle: 25,000 cycles, total stroke 18,000,000 mm
- IP Protection level: IP54
- Spindle type: ACME
- Gear ratio: 4:1
- Color: Black
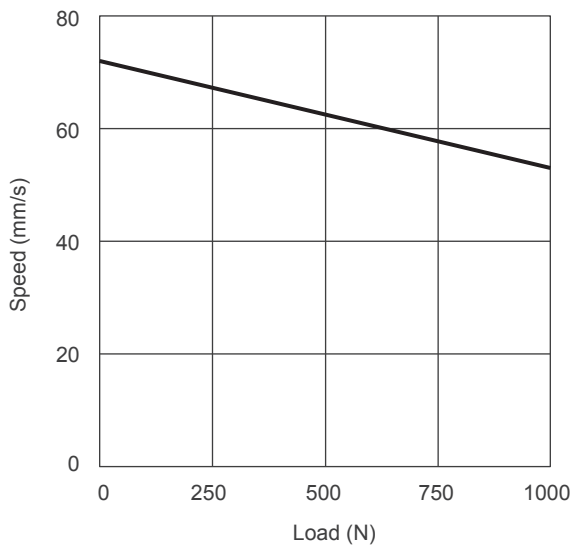
Option

- IP protection level: IP65

Compatibility

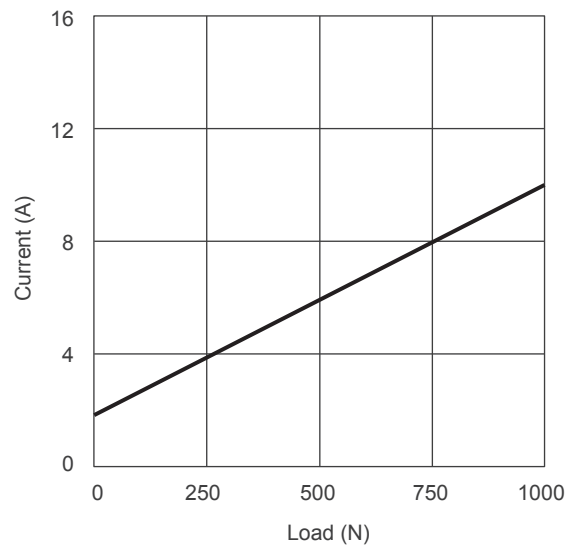| Prouduct	Model	Function
Control Box	CI10	CI10 equips the built-in rocker switch to control the operation for one actuator; no additional handset is required.

Performance Data

Model No.	Push / Pull Max. (N)	Speed (mm/s)		Current (A) @ 24V DC	
		No load	Full load	No load	Full load
ID10BT-24**F5A**XXX-0X000XX	1000	72	53	1.8	10

Speed vs. Load

Current vs. Load

Dimensions

Unit: mm
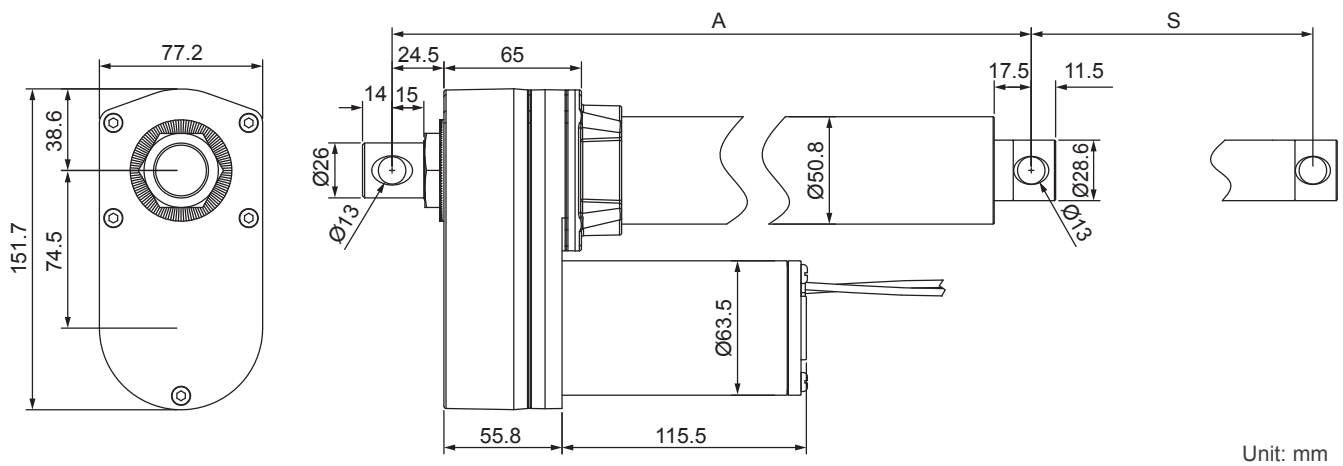
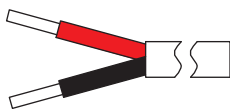| Stroke (S)	102 (4")	153 (6")	203 (8")	254 (10")	305 (12")	457 (18")
Retracted Length (A)	262	313	364	414	465	668

Available stroke (S) range: 102 ~ 457 mm
Extended Length: S + A

Rear connector and the orientation of clevis
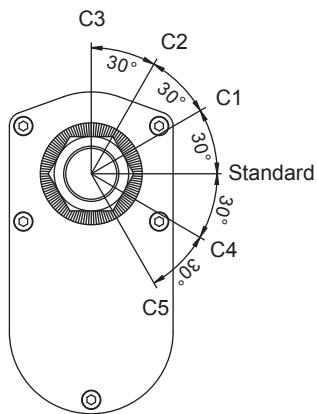
Wiring

Connect red wire "M+" to "+" & black wire "M-" to "−" of DC power, the actuator will extend.

Color	Definition
Red	M+
Black	M-

Ordering Key

ID10BT - 24 F 5A 102 - 0 0 0 0 0 4 0

Input voltage	**24**: 24V DC
Motor code	**F**
Spindle type	**5A**: pitch= 5mm, ACME (Refer to Performance Data)
Stroke	**102**: 102 mm **153**: 153 mm **203**: 203 mm **254**: 254 mm **305**: 305 mm **457**: 457 mm
Reserved	**0**: No meaning
Rear clevis orientation	**0**: 0° (Standard) **3**: 30° counter-clockwise (C1) **6**: 60° counter-clockwise (C2) **9**: 90° counter-clockwise (C3) **C**: 30° clockwise (C4) **F**: 60° clockwise (C5) (Refer to sketch of paragraph Dimensions)
Reserved	**0**: No meaning
IP level	**4**: IP54 (Standard) **5**: IP65
Cable	**0**: Straight cable with tinned wires, 250mm

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