

Features

- MD7 is a quiet and powerful actuator designed for medical and homecare application. Our MD7C and CB2P control boxes, which are designed to be perfectly attached and integrated to MD7, are available for customers to choose.
- ◆ Main applications : Medical and homecare
- ◆ Input voltage : 24V DC / 12V DC
- ◆ Max. load : 6000N (push) / 4000N (pull)
- ◆ Max. current : 3A @ 24V DC, 6A @ 12V DC
- ◆ Max. speed at no load : 16.6mm/sec
- Max. speed at full load: 2.9mm/sec @ 6000N
- ◆ Stroke: 50 ~ 300 mm
- ◆ Duty cycle: 10% or 2 min continuous operation in 20 min.
- IP Protection level: IP54
- ◆ Color : RAL 7035
- ◆ Certified : EN60601-1-2
- ♦ Noise level : ≤ 50dB
- Preset limit switches



Options

- ◆ Positioning signal feedback with Hall effect sensor x 1
- ◆ Positioning signal feedback with Hall effect sensor x 2
- Push only
- Safety nut
- ◆ Quick Release (must go with option Push Only and model code A8 or F8)
- ◆ Turn 90° Pivot orientation of rear connector

Compatibility

1. Control box

MD6C, MD7C, CB2P, CB4P (MD7C & CB2P can be easily fixed onto MD7 actuator)



2. Handset

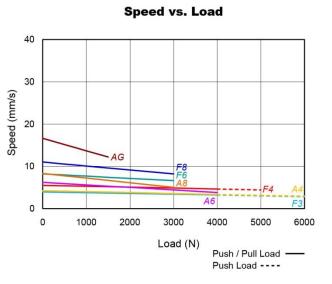
HF, H3F, HT, FS1, FS2

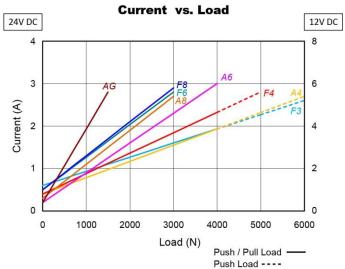
3. Accessory

None

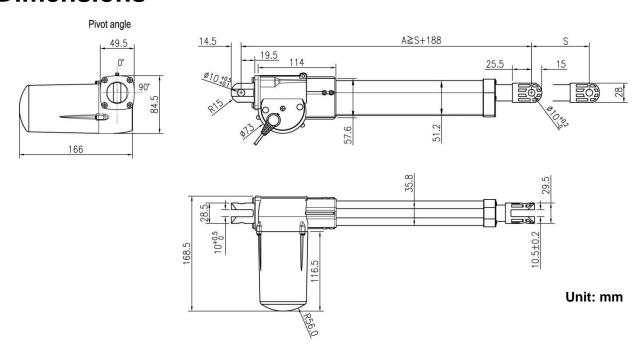
Performance Data

Model No.	Push Max. (N)	Pull Max. (N)	Speed (mm/s)		Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
MD7-XX-F3- XXX.XXX	6000	4000	4.1	2.8	1.2	0.6	5.2	2.6
MD7-XX-A4- XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
MD7-XX-F4- XXX.XXX	5000	4000	5.5	4.4	0.8	0.4	5.6	2.8
MD7-XX-A6- XXX.XXX	4000	4000	6.2	3.8	0.4	0.2	6.0	3.0
MD7-XX-F6- XXX.XXX	3000	3000	8.2	6.6	1.0	0.5	5.6	2.8
MD7-XX-A8- XXX.XXX	3000	3000	8.3	5.0	0.6	0.3	5.4	2.7
MD7-XX-F8- XXX.XXX	3000	3000	11.0	8.2	1.0	0.5	5.8	2.9
MD7-XX-AG- XXX.XXX	1500	1500	16.6	12.2	0.4	0.2	5.6	2.8

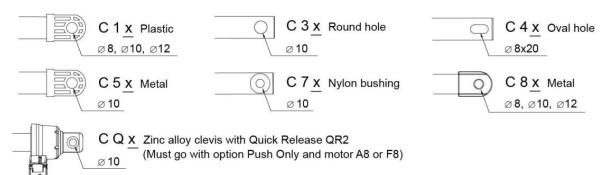




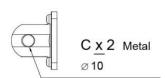
Dimensions



♦ Front Connector



♠ Rear Connector



♠ Available stroke (S) range = 50~300mm

◆ Retracted length (A)

Front connector	Standard	Description		
C1x, C5x, C8x	A ≥ Stroke + 188mm			
C3x, C4x, C7x	A ≥ Stroke + 160mm			
CQx	A ≥ Stroke + 235 mm	With QR2 quick release		

♠ Extended length = S + A

Cable Plug

♦ DIN plug with Moteck V type or H type shape



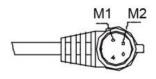


V type

H type

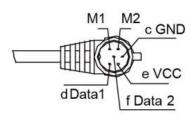
Pin Assignment

No sensor feedback



M1(+) & M2(-): Extends

1x or 2x Hall sensors for positioning



M1(+) & M2(-): Extends

Pin 'Data2' is defined for HS4

lacktriangle Phone jack (Φ 6.35) with Moteck J1 type or J2 type shape

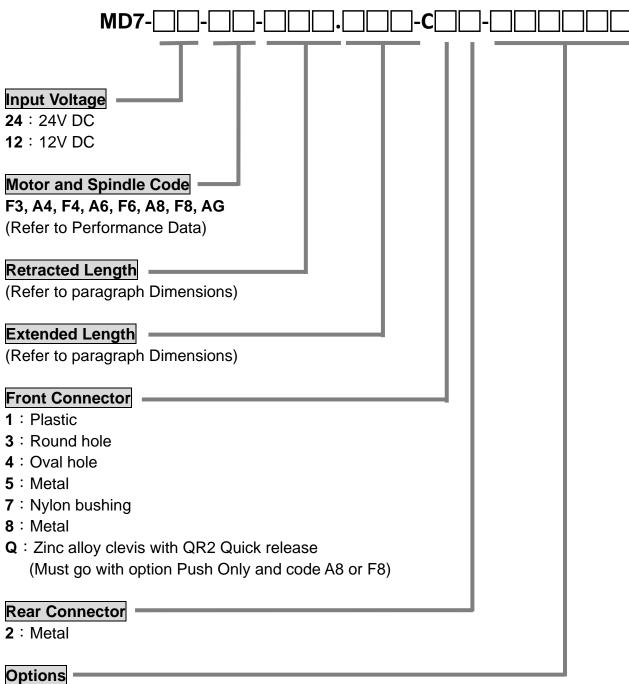




J1 type (Ф13.8)

J2 type (Ф16.7)

Ordering Key



HS1: Hall effect sensor x 1 **HS2**: Hall effect sensor x 2

PO: Push only SN: Safety nut

Terms of Use

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