

Linear actuator V56



TECHNICAL SPECIFICATIONS

Input voltage	24 Volts DC
Maximum force	-5 000 N in Push -3 500 N in Pull
Stroke	-50 ~400 mm or customized -preset cam type limit switches
Noise Level	< 65dB
Motor orientation	360° in steps of every 30°
Speed	-maximum 43 mm / sec without load -maximum 4 mm / sec with full load
Positioning signal feedback	Hall effect sensor
Sealing protection level	IP21
Compatibility with control box	-without positioning sensor feedback: BC6C / BC4P-HP -with dual Hall effect sensors: BC4P-SY
Duty cycle	10% (2 mn operation / 20 mn rest)
Ambient operation temperature	-25°C ~ +65°C
Color	Black
Standards certification	CE Marking / EMC Directive 93/42/EEC

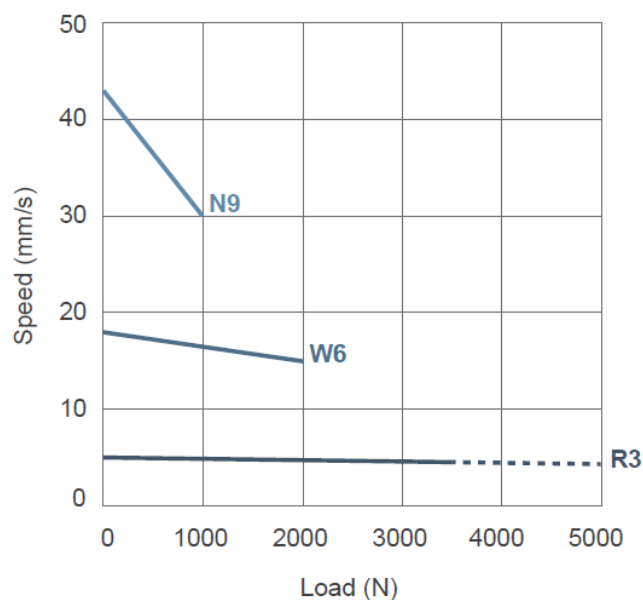
Options :

Positioning signal feedback	Dual Hall effect sensors
Positioning setting	potentiometer
Positioning feedback	Reed sensor
Motor orientation	360° in steps of every 30°
Sealing protection grade	IPX6 waterproof case

PERFORMANCES

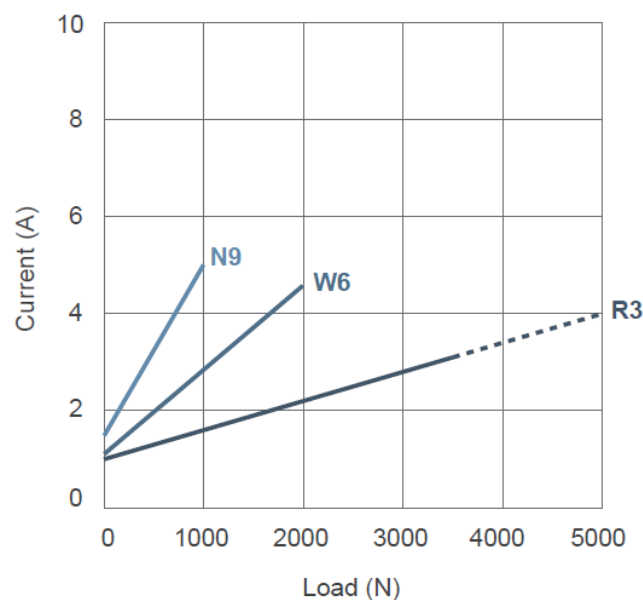
Model No.	Push Max. (N)	Pull Max. (N)	**Typical Speed (mm/s)		**Typical Current (A)	
			No load	Full load	No load	Full load
MD56-X-24R3-XXX.XXX-XXXX0XX	5000	3500	5	4	1.0	4.0
MD56-X-24W6-XXX.XXX-XXXX0XX	2000	2000	18	15	1.1	4.6
MD56-X-24N9-XXX.XXX-XXXX0XX	1000	1000	43	30	1.5	5.0

Speed vs. Load



Current vs. Load

24V DC



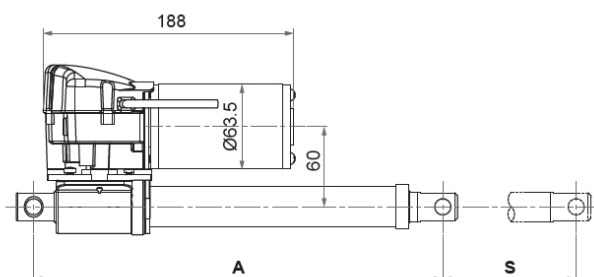
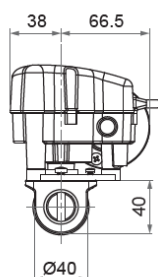
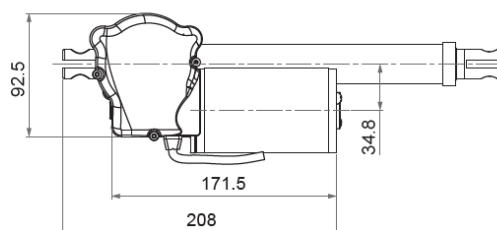
Remarks:

- * The typical speed or typical current means the average value neither upper limit nor lower limit. The performance curves are made with typical values.

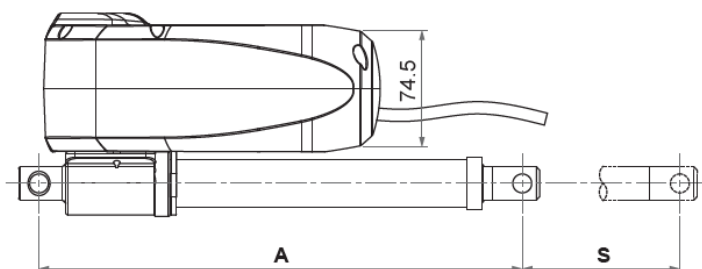
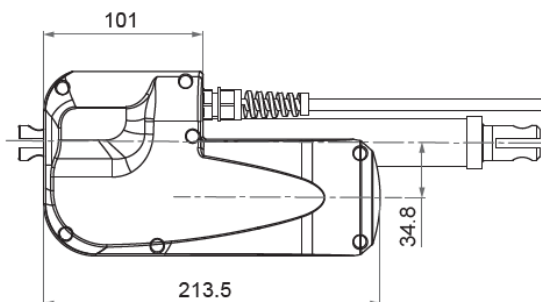
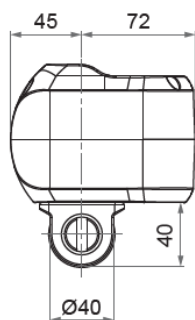
DIMENSIONS

Retracted length (A): $\geq S+156$ mm (tolerance: ± 3 mm)

- Standard type



• With IPX6 waterproof case



• Front Connector

1: Aluminum solid with bushing

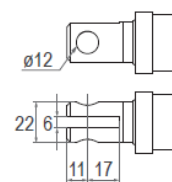
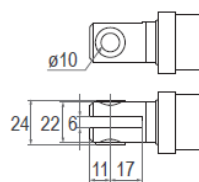
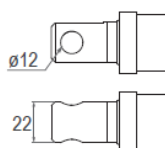
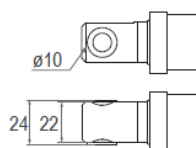
2: Aluminum solid w/o bushing

3: Zinc slot with bushing

(only for models with max. load $\leq 2000N$)

4: Zinc slot w/o bushing

(only for models with max. load $\leq 2000N$)



• Rear Connector

1: Aluminum solid with bushing

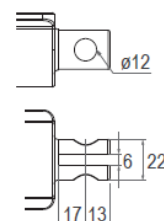
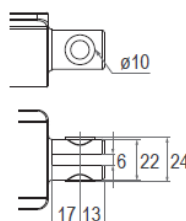
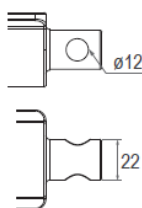
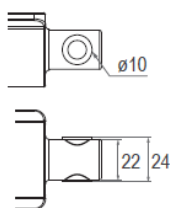
2: Aluminum solid w/o bushing

3: Aluminum slot with bushing

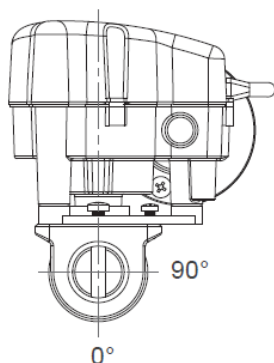
(only for models with max. load $\leq 2000N$)

4: Aluminum slot w/o bushing

(only for models with max. load $\leq 2000N$)

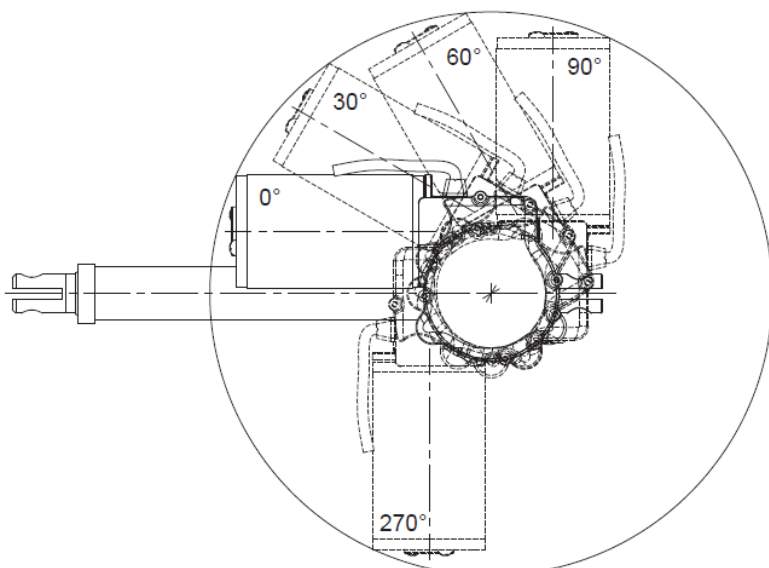


• Pivot orientation of rear connectors

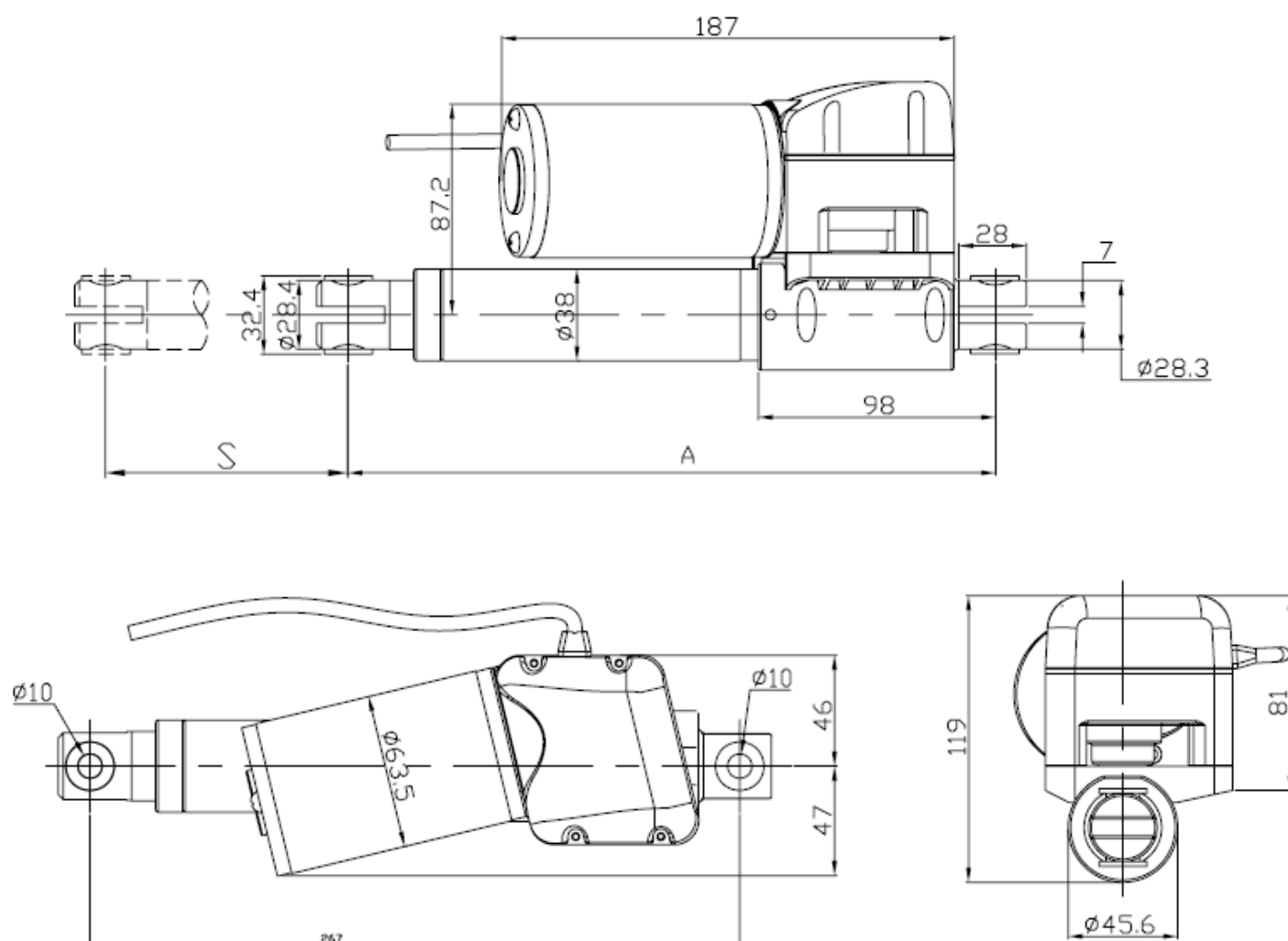


Note: Presented with slot type connector as an example.

- Motor orientation (360° in steps of every 30°)

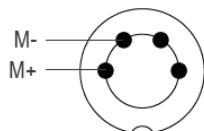


Note: This drawing shows orientation definition with example of standard type.

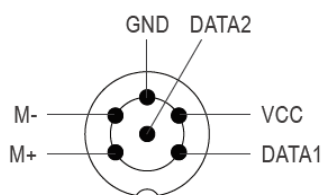


Unit : mm

H-type or V-type DIN plug



Without positioning sensor feedback



With dual Hall effect sensors



V-type



H-type