

HLA01

Product introduction

Small motor actuator with ACME screws, built-in Micro switch and an internal diode, can automatically stop and enables the change of direction by simply reversing the applied voltage polarity. Stroke length can be customized. Compact and powerful configurations with IP54 or IP65.

Specifications

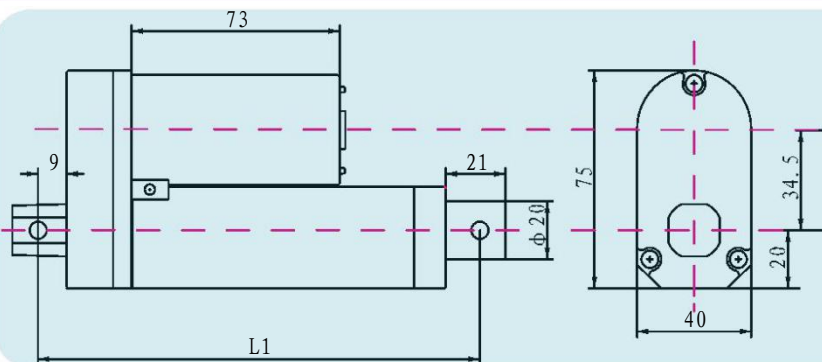
- Operating temperature -20°C~+65°C
- Aluminium outer tube and stroke rod
- Protection IP54 or IP65
- 12 or 24 or 36 or 48VDC
- Preset limit switches
- Powder metal gears

Forces

- Max load 1.000N
- Duty cycle 20%(High-speed linear 10%)
- Self locking force max 2.300 N
- Lifetime 50.000 complete cycles



DIMENSIONAL DRAWING

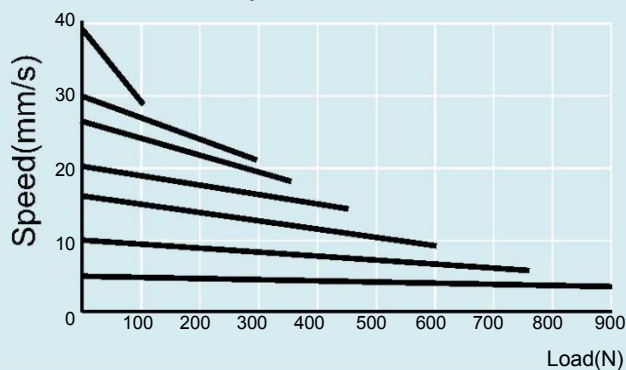


L1=retracted length

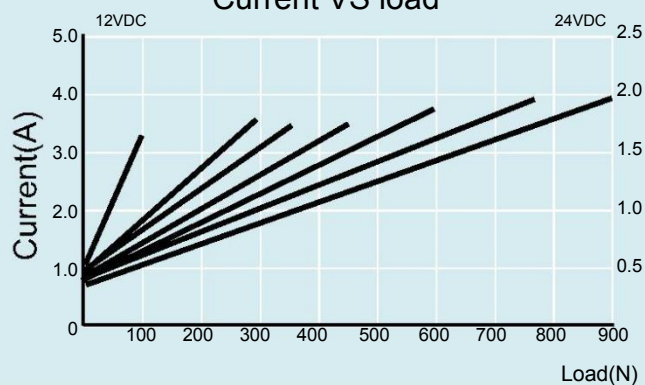
Stroke(±2 mm)	50	100	150	200	250	300
Retracted length (L1)(±2 mm)	155	205	255	305	355	405
Weight (kg)	0.7	0.79	0.88	0.94	1.04	1.11

PERFORMANCE DIAGRAMS

Speed VS load



Current VS load



HOW TO ORDER

AC	-	HLA01	-	100	-	24	-	10	-	205	-	IP65	-	E
Company		Type		Stroke 50mm 100mm 150mm ...		Voltage 12V DC 24V DC 36V DC		Speed 5mm/s 10mm/s 15mm/s 20mm/s 24mm/s 29mm/s 40mm/s		retracted length		Protection IP54 IP65		Special requirements Other requirements of customers

HLA04

Product introduction

Compact cylindrical actuator for easy build in. With forces up to 200 N and speeds up to 230 mm/sec an all around actuator. With a wide temperature range and IP54, it's even capable of handling the most difficult environments. Available in different voltages and stroke lengths. Limit switches and hall sensor possibilities.

Specifications

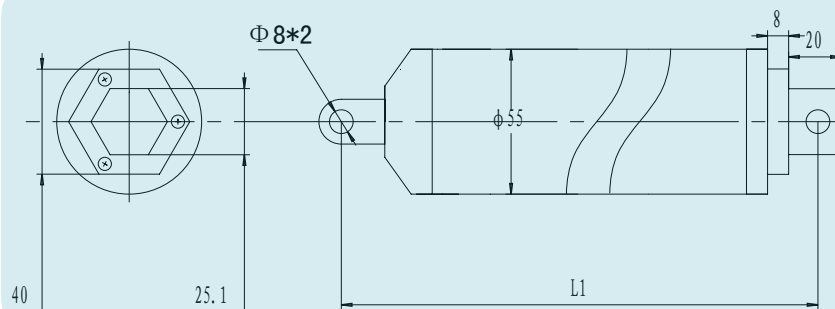
- Operating temperature -26°C - +65°C
- Max speed : 230 mm/s
- Aluminium outer tube and stroke rod
- Protection IP54
- Voltage: 12 or 24 or 36VDC
- Limit switches build in

Forces

- Max load force: 200N
- Duty cycle: 20%



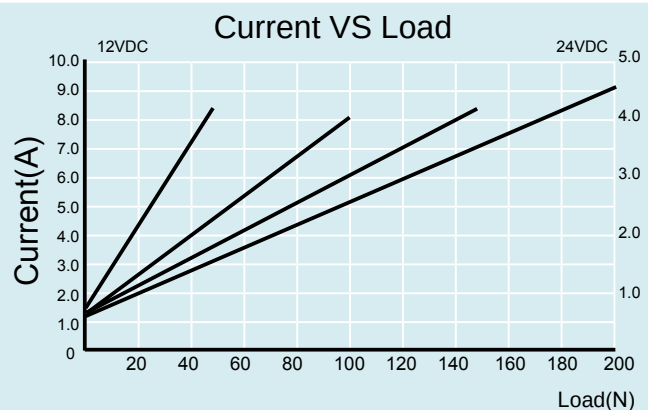
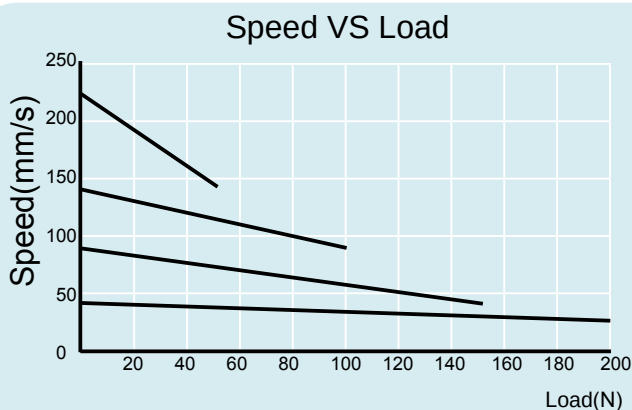
DIMENSIONAL DRAWING



L1=Retracted Length

stroke (±2 mm)	50	100	150	200	250	300
retracted length (L1)(±2 mm)	285	335	385	435	485	535
weight (kg)	1.52	1.63	1.74	1.86	1.95	2.05

PERFORMANCE DIAGRAMS



HOW TO ORDER

AC	-	HLA04	-	150	-	24	-	80	-	385	-	IP54	-	E
Company		Type		Stroke 50mm 100mm 150mm ...		Voltage 12V DC 24V DC 36V DC		Speed 45mm/s 80mm/s 140mm/s 230mm/s		Retracted Length		IP IP54		Other requests can be customized

HLA06

Product introduction

High force and speed linear actuator up to 3500 N. The unit is available in different speed (up to 170 mm/sec on request) and force combinations. Internal limit switches are standard. Available with custom stroke and other modifications. IP54 or IP65 protection ratings.

Specifications

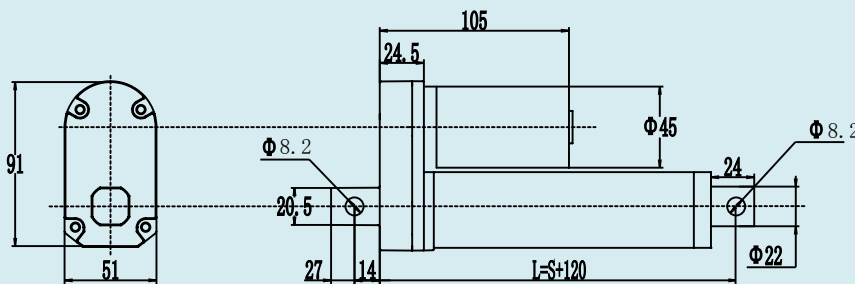
- Ambient temperature: -40°C up to +65°C
- Aluminium alloy shell and pushrod
- IP protection: IP54 or IP65
- 12, 24, 36V or 48VDC
- Internal limit switch
- Stroke up to 1000 mm

Forces

- Max load: 3500N
- Duty cycle: 20% (high-speed condition 10%)
- Max holding force: 5000N
- Lifecycles: 50000 times



DIMENSIONAL DRAWING

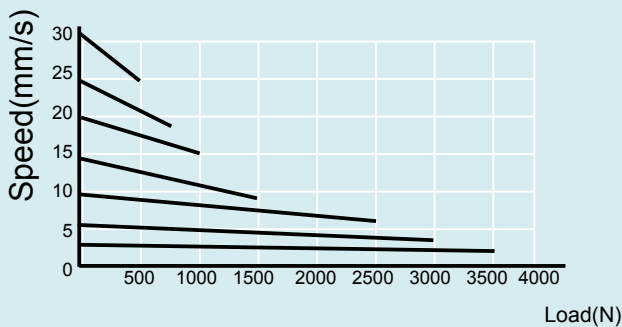


L1=Installation size

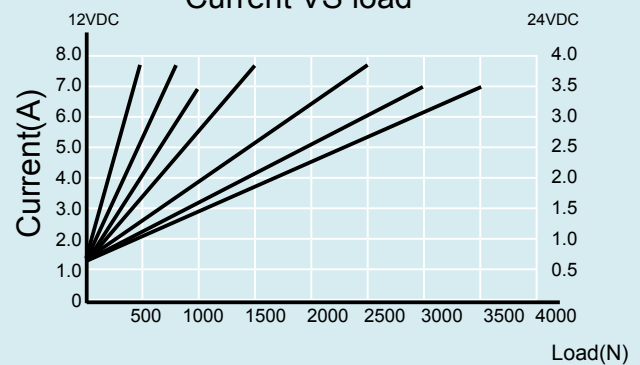
stroke(±2 mm)	50	100	150	200	250	300
Retracted length (L1)(±2 mm)	170	220	270	320	370	420
Weight(kg)	1.36	1.4	1.45	1.5	1.56	1.62

PERFORMANCE DIAGRAMS

Speed VS load



Current VS load



HOW TO ORDER

AC	-	HLA06	-	100	-	24	-	8	-	220	-	IP65	-	E
Company		Type		Stroke 50mm 100mm 150mm ...		Voltage 12V DC 24V DC 36V DC 48V DC		Speed 3mm/s 5mm/s 10mm/s 15mm/s 20mm/s 25mm/s 30mm/s		retracted length		Protection IP54 IP65		Special requirements customers' special demand

HLA07

Product introduction

Compact medium force actuator with forces up to 3.500 N and low noise operation. Standard in IP54 and limit switches build in. Aluminium extruded body for cost effective use. Available in different voltages and customized stroke lengths.

Specifications

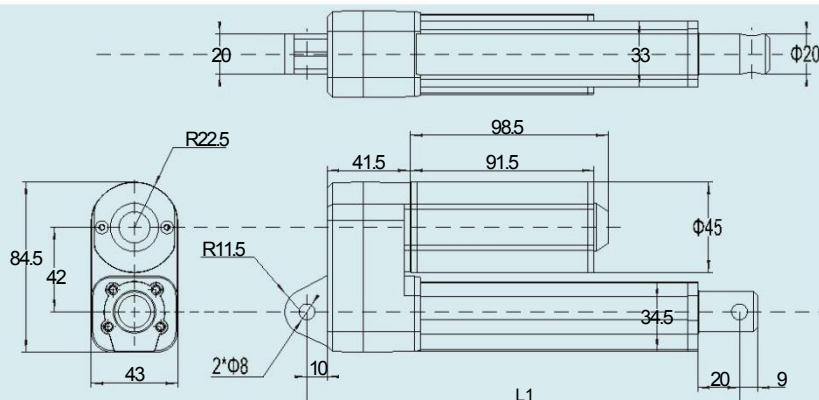
- Operating temperature -10°C - +65°C
- Max speed: 23 mm/s
- Aluminium outer tube and stroke rod
- Protection IP54 / Low noise version 40 dB
- Voltage: 12 / 24 / 36 / 48 VDC
- Limit switches build in

Forces

- Max load 3500N
- Duty cycle 20%(High-speed linear 10%)
- Max static force 4000N
- Life time 50.000 complete cycles



DIMENSIONAL DRAWING

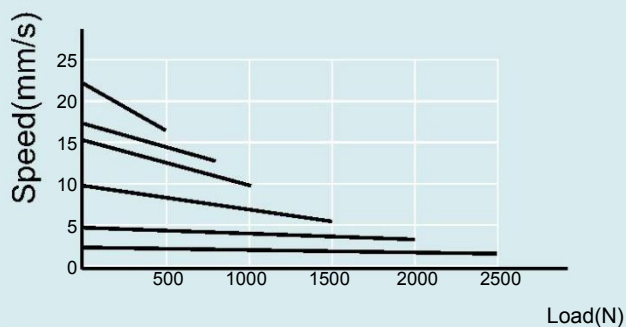


L1=retracted length

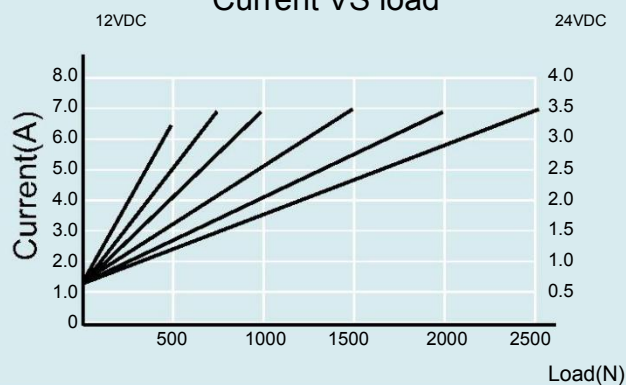
Stroke(±2 mm)	50	100	150	200	250	300
Retracted length(L1)(±2 mm)	170	220	270	320	370	420
Weight(kg)	1.36	1.4	1.45	1.5	1.56	1.62

PERFORMANCE DIAGRAMS

Speed VS load



Current VS load



HOW TO ORDER

AC	-	HLA07	-	100	-	24	-	10	-	220	-	IP54	-	E
Company		Type		Stroke 50mm 100mm 150mm ...		Voltage 12V DC 24V DC 36V DC 48V DC		Speed 3mm/s 6mm/s 10mm/s 15mm/s 17mm/s 23mm/s		retracted length		Protection IP54		Special requirements Other requirements of customers

Product introduction

A black hydraulic cylinder with a red stripe, shown at an angle. The cylinder has a long, thin rod extending from the top, and a smaller, shorter rod extending from the bottom. The base of the cylinder is wider and has a red stripe running around it. The top of the cylinder has a small, circular opening. The background is a light blue gradient.

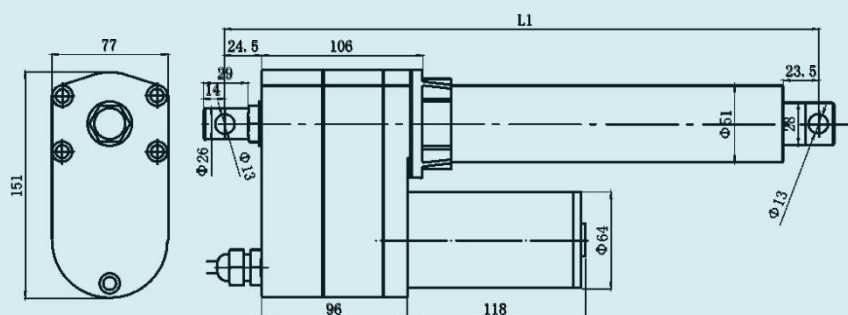
Specifications

- Operating temperature -26°C - +65°C
- Protection IP65
- 12, 24, 36, 48VDC
- Build in limit switches
- Stroke up to 1000 mm

Forces

- Max force 10000N
- Duty cycle 20% (High-speed linear 10%)
- Max holding force: 12000N
- Lifetime: 50.000 complete cycles

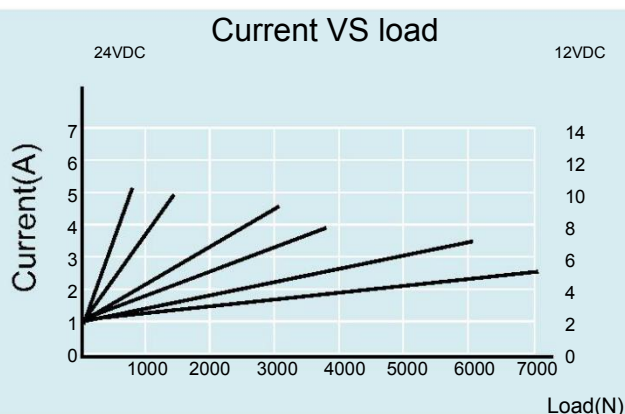
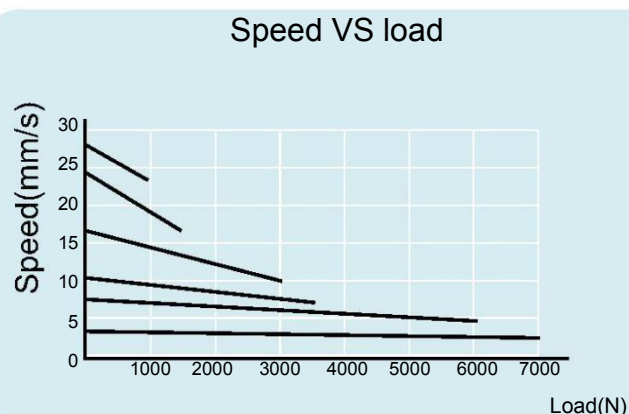
DIMENSIONAL DRAWING



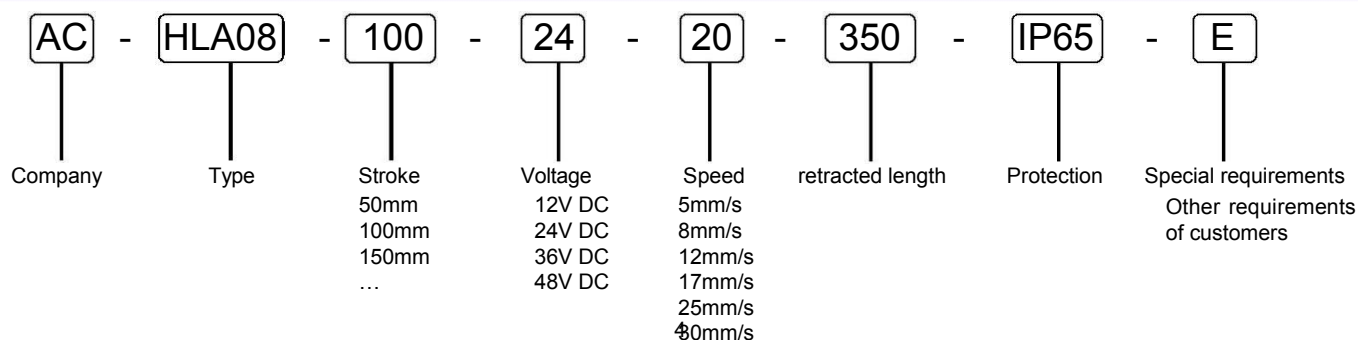
L1=retracted length

Stroke(± 2 mm)	50	100	150	200	250	300
Retracted length (L1)(± 4 mm)	300	350	400	450	500	550
Weight (kg)	4.7	5.1	5.5	5.9	6.4	6.8

PERFORMANCE DIAGRAMS



HOW TO ORDER



Product introduction

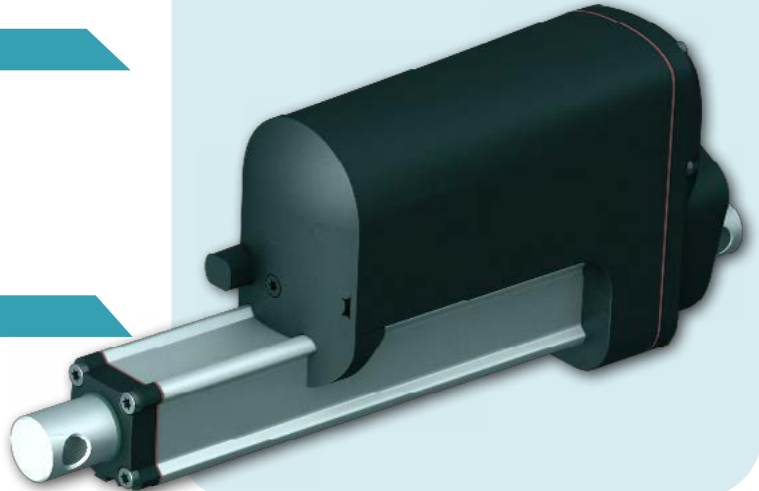
High force linear actuator up to 12.000 N. The unit is available in different speed and force combinations. Internal limit switches are standard and hall effect feedback can be supplied. Available with custom stroke and other modifications. IP65 or IP66 protection ratings.

Specifications

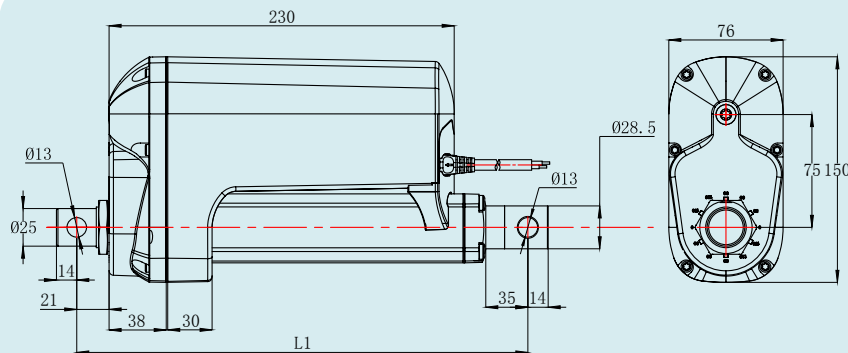
- Working temperature: -30°C~+65°C
- Aluminium outer tube and stainless steel rod
- IP protection: IP66
- Stroke up to 1000 mm
- 12, 24, 36, 48VDC
- Internal limit switches

Forces

- Max force: 12.000N
- Duty cycle: 10%
- Max holding force: 15.000N
- Life time: 50.000 complete cycles



DIMENSIONAL DRAWING

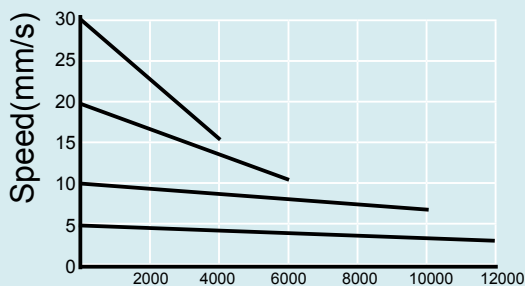


L1=Retracted Length

Stroke (±2 mm)	50	100	150	200	250	300
Retracted Length (L1)(±2mm)	240	290	340	390	440	490
Weight(kg)	4.7	5.1	5.5	6	6.4	6.8

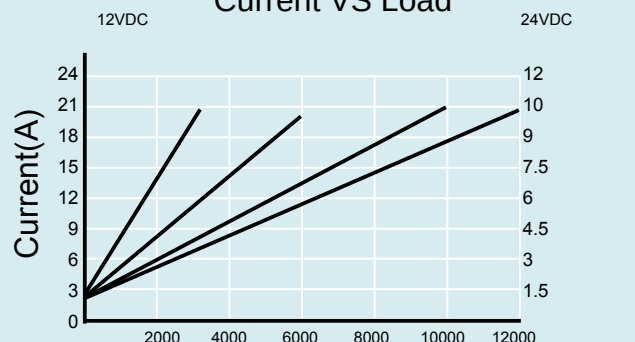
PERFORMANCE DIAGRAMS

Speed VS Load



Load(N)

Current VS Load



Load(N)

HOW TO ORDER

AC	-	HLA10	-	100	-	24	-	10	-	390	-	IP66	-	E
Company		Type		Stroke 50mm 100mm 150mm ...		Voltage 12V DC 24V DC 36V DC 48V DC		Speed 5mm/s 10mm/s 20mm/s 30mm/s		Retracted Length		IP66 IP65		Other requests can be customized