

**Electric Pushrod LA-T8 (plastic case) & LA-T8M (metal case) & LA-T8W(with wings)**



**Product Parameter:**

|  |  |
| --- | --- |
| Model number | LA-T8 (regular style) & LA-T8M (Metal style) & LA-T8W(with wings) Electric pushrod |
| Voltage & Power & current | 6VDC/12VDC/24VDC, power: 2.5W working current ≤200mA, plugging current 330mA |
| Maximum bearing capacity | 188N=18KG= 18kg |
| Maximum speed | 150 mm per second |
| Limit switch | Built-in flexible limit switch, power off stop and self-lock |
| Can it be made to order | Can be customized, and accept OEM |
| Inner tube material | Aluminum material |
| Frequency of operation | 10%, up to 2 minutes of continuous work, requiring 18 minutes of rest. (Optimal operating frequency) |
| Maximum useful life | Up to 5W times (because the actual application situation is different, this number of life is only for reference) |
| Existing itinerary | 10/17.5/21/25/30/50/75/100/150mm |
| Ambient temperature | -25 ℃ ~ +60℃ |
| Noise | About 60dB |
| Warranty period | 1 year, life-long technical support |
| Authentication | CE RoHS |



**Control mode of push rod:：**



**LA-T8: (plastic shell)**

Advantages

→ Compact internal structure

→ Simple control mode

→ Low voltage

→ The push and pull forces are equal

→ Easy installation

→ The volume is very small, small installation distance

→ Although the volume is small, but the thrust is relatively large

Where applicable

→ Robot

→ Automation equipment

→ Toys

→ Industrial automation equipment

→ Trash can

→ Vending machines

→ Used for products with limited installation space

**Parameters: 10/17.5/21/25/30/50/75/100 stroke all applicable to the following specifications: Voltage :6VDC/ 12VDC/ 24VDC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **model** | **load bearing:****N** | **no-load speed:****mm/s** | **Operating frequency:****%** | **Current：12V** | **blocking current** |
| **LA-T8-A** | **188** | **5** | **10%, continuous work for 2 minutes, need to rest for 18 minutes** | **200mA** | **330mA** |
| **LA-T8-B** | **128** | **7** |
| **LA-T8-C** | **96** | **9.5** |
| **LA-T8-D** | **64** | **15** |
| **LA-T8-E** | **32** | **30** |
| **LA-T8-F** | **19.2** | **50** |
| **LA-T8-G** | **6.4** | **150** |

**Voltage :12VDC/ 24VDC (now only LA-T8 conventional style and LA-T8W style with wings can travel 150mm**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **model** | **load bearing:****N** | **no-load speed:****mm/s** | **Operating frequency:****%** | **Current：12V** | **blocking current** |
| **LA-T8-A** | **150** | **5** | **10%, continuous work for 2 minutes, need to rest for 18 minutes** | **200mA** | **330mA** |
| **LA-T8-B** | **64** | **15** |
| **LA-T8-C** | **32** | **30** |

**Plastic shell LA-T8 dimensions:**



**Minimum installation distance Lmin = 54.5mm+ stroke**

**The minimum mounting distance refers to the hole center distance of the two mounting holes after 100% retraction of the push rod**

**Maximum installation distance Lmax = minimum installation distance + stroke**

**The minimum mounting distance refers to the hole center distance of the two mounting holes after the push rod is pushed out 100%**

**The hole spacing of the installation hole is 4MM. The tolerance of the drawing is ±2mm**

**Waterproof grade: IP54**

**1 -- Red power cord -- positive +**

**2 -- black power cord -- negative-**

**LA-T8M （metal case） :**



Advantages

→ Compact internal structure

→ Simple control mode

→ Low voltage

→ The push and pull forces are equal

→ Easy installation

→ The volume is very small, small installation distance

→ Although the volume is small, but the thrust is relatively large

Where applicable

→ Robot

→ Automation equipment

→ Toys

→ Industrial automation equipment

→ Trash can

→ Vending machines

→ Used for products with limited installation space

**Parameters: 10/17.5/21/25/30/50/75/100 stroke all applicable to the following specifications: Voltage :6VDC/ 12VDC/ 24VDC**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **model** | **load bearing:****N** | **Self-locking force: N** | **speed:****mm/s** | **Operating frequency:****%** | **Current：****12V/6V** | **blocking current: 12V/ 6V** |
| **LA-T8M -A** | **188** | **235** | **5** | **10%, continuous work for 2 minutes, need to rest for 18 minutes** | **200mA/****400m A** | **330mA/****660mA** |
| **LA-T8M-B** | **128** | **160** | **7** |
| **LA-T8M-C** | **96** | **120** | **9.5** |
| **LA-T8M-D** | **64** | **80** | **15** |
| **LA-T8M-E** | **32** | **40** | **30** |
| **LA-T8M-F** | **19.2** | **24** | **50** |
| **LA-T8M-G** | **6.4** | **8** | **150** |

**Metal shell LA-T8M External dimension diagram:**



**Minimum installation distance Lmin = 54.5mm+ stroke**

**The minimum mounting distance refers to the hole center distance of the two mounting holes after 100% retraction of the push rod**

**Maximum installation distance Lmax = minimum installation distance + stroke**

**The minimum mounting distance refers to the hole center distance of the two mounting holes after the push rod is pushed out 100%**

**The hole spacing of the installation hole is 4MM. The tolerance of the drawing: ±2mm waterproof grade can reach IP65**

**1 -- Red power cord -- positive 2 -- black power cord -- negative**

**Selectable voltage ----- Max voltage ： 6VDC-----7.5VDC 12VDC-----13.5V**

**LA-T8W （With wings） :**



Advantages

→ Compact internal structure

→ Simple control mode

→ Low voltage

→ The push and pull forces are equal

→ Easy installation

→ The volume is very small, small installation distance

→ Although the volume is small, but the thrust is relatively large

Where applicable

→ Robot

→ Automation equipment

→ Toys

→ Industrial automation equipment

→ Trash can

→ Vending machines

→ Used for products with limited installation space

**Parameters: 10/17.5/21/25/30/50/75/100 stroke all applicable to the following specifications: Voltage :6VDC/ 12VDC/ 24VDC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **model** | **load bearing:****N** | **speed:****mm/s** | **Operating frequency:****%** | **Current：****12V/6V** | **blocking current: 12V/ 6V** |
| **LA-T8W -A** | **188** | **5** | **10%, continuous work for 2 minutes, need to rest for 18 minutes** | **200mA** | **330mA** |
| **LA-T8W-B** | **128** | **7** |
| **LA-T8W-C** | **96** | **9.5** |
| **LA-T8W-D** | **64** | **15** |
| **LA-T8W-E** | **32** | **30** |
| **LA-T8W-F** | **19.2** | **50** |
| **LA-T8W-G** | **6.4** | **150** |

**参数: 150 行程全部适用以下规格: 电压: 12VDC/ 24VDC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **model** | **load bearing:****N** | **no-load speed:****mm/s** | **Operating frequency:****%** | **Current：12V** | **blocking current** |
| **LA-T8-A** | **150** | **5** | **10%, continuous work for 2 minutes, need to rest for 18 minutes** | **200mA** | **330mA** |
| **LA-T8-B** | **64** | **15** |
| **LA-T8-C** | **32** | **30** |

**Dimensions of LA-T8W with wings：**



**Minimum installation distance Lmin= 54.5mm+ stroke**

**The minimum mounting distance refers to the hole center distance of the two mounting holes after 100% retraction of the push rod**

**Maximum installation distance Lmax= minimum installation distance + stroke**

**The minimum mounting distance refers to the hole center distance of the two mounting holes after the push rod is pushed out 100%**

**The hole spacing of the installation hole is 4MM. The tolerance of the drawing: ±2mm waterproof grade can reach IP65**

**1 -- Red power cord -- positive 2 -- black power cord -- negative**

**Selectable voltage ----- Max voltage ： 6VDC-----7.5VDC 12VDC-----13.5V**

**Accessories: Mounting bracket size (purchased separately)**

