

# STP-LE17-2A12ADJ Cut Sheet



SureStep stepper motor linear actuator, external nut, encoder ready, NEMA 17 frame, IP40, double stack, 2A, 12in lead screw length, 0.25in/rev, 0.25in lead screw diameter, screw code A, journal and groove end machining.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/STP-LE17-2A12ADJ>

## Technical Specifications

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Brand</b>                  | SureStep                      |
| <b>Item</b>                   | Stepper motor linear actuator |
| <b>Actuator Type</b>          | External nut                  |
| <b>Voltage Type</b>           | DC                            |
| <b>Motor Type</b>             | Brushless                     |
| <b>Number of Input Phases</b> | 2                             |
| <b>Encoder Position</b>       | Encoder ready                 |
| <b>Encoder Resolution</b>     | Encoder ready                 |
| <b>Integrated Brake</b>       | No                            |
| <b>Motor Frame</b>            | NEMA 17                       |
| <b>IP Rating</b>              | IP40                          |
| <b>Shaft Type</b>             | Dual                          |
| <b>Amperage Rating</b>        | 2A                            |
| <b>Holding Torque Rating</b>  | 40 oz-in                      |

|                                |   |
|--------------------------------|---|
| <b>Step Angle</b>              | 1.8-degree  |
| <b>Steps per Revolution</b>    | 200   |
| <b>Winding Type</b>            | Bipolar   |
| <b>Screw Code</b>              | A   |
| <b>Driver Type</b>             | Lead screw  |
| <b>Motor Stack Length</b>      | Double  |
| <b>Pitch</b>                   | 0.0625in  |
| <b>Screw Lead</b>              | 0.25in/rev  |
| <b>Lead Screw Length</b>       | 12in  |
| <b>Lead Screw Diameter</b>     | 0.25in  |
| <b>Number of Thread Starts</b> | 4   |
| <b>Connector Type</b>          | 6-position male                                   |
| <b>End Machining</b>           | Journal and groove                                |
| <b>Includes</b>                | (1) lead screw flange nut and (1) 1ft motor cable |

## Agency Approvals

|                             |  |
|-----------------------------|--|
| <b>UL Listed File #</b>     | None                                   |
| <b>UL Recognized File #</b> | None                                   |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | None                                   |
| <b>RoHS Status</b>          | Yes (See CE Doc)                       |
| <b>EU REACH</b>             | <a href="#">View EU REACH document</a> |

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/STP-LE17-2A12ADJ.pdf>  
See store item page for other formats.