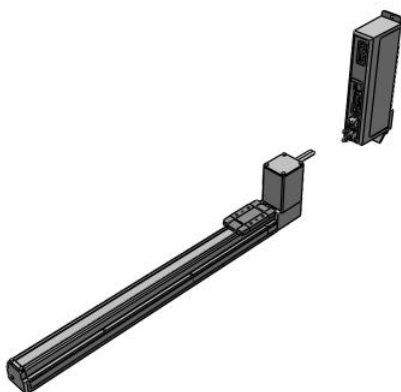




## Belt Drive, 24V DC - LEFB LEFB16T-300-R5CPF8

### Datasheet

### General series information

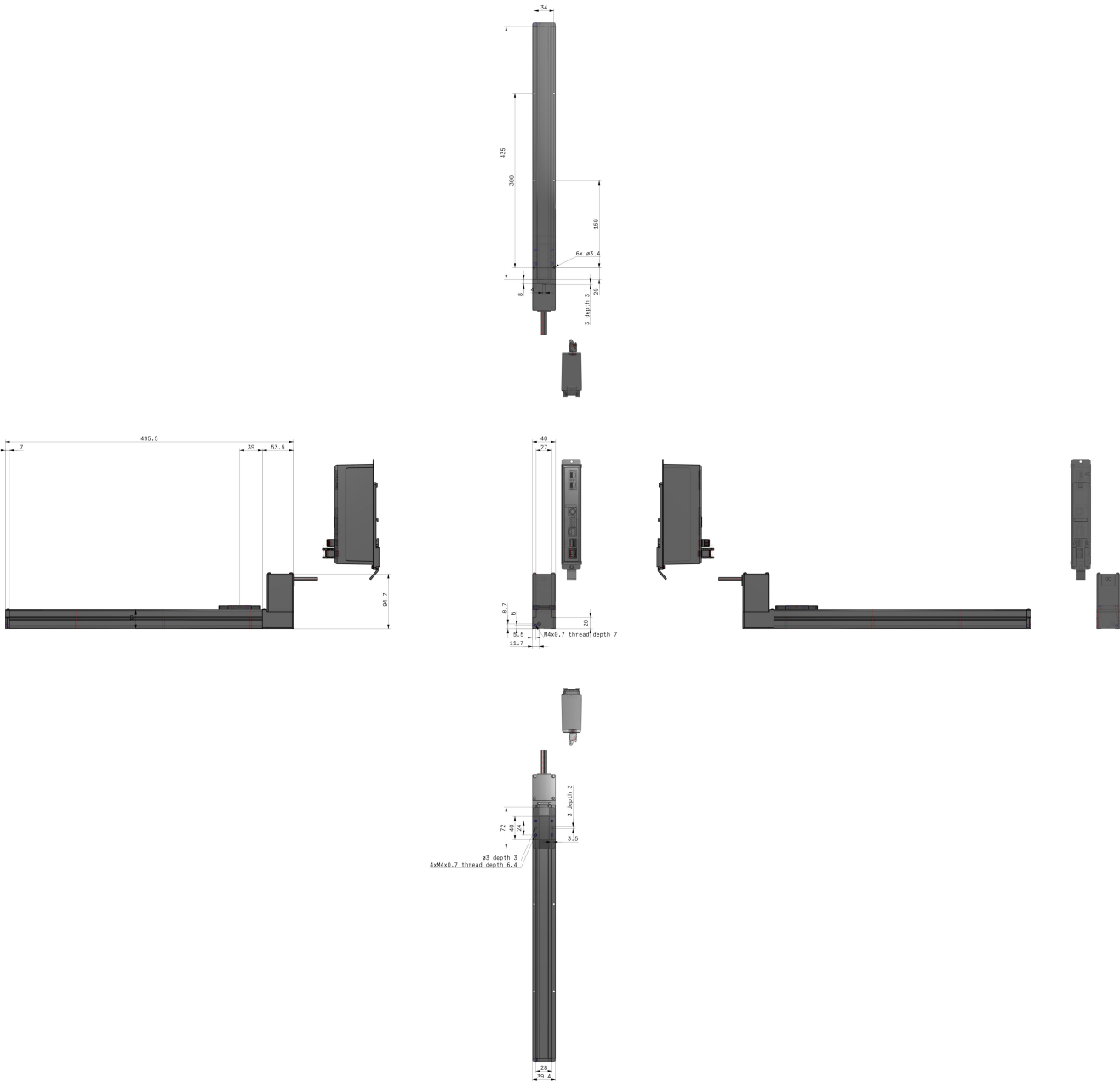
- Body size: 16, 25 and 32 mm.
- Stroke: 300 to 2000 mm.
- Step and servo motor types.

### Standard specifications

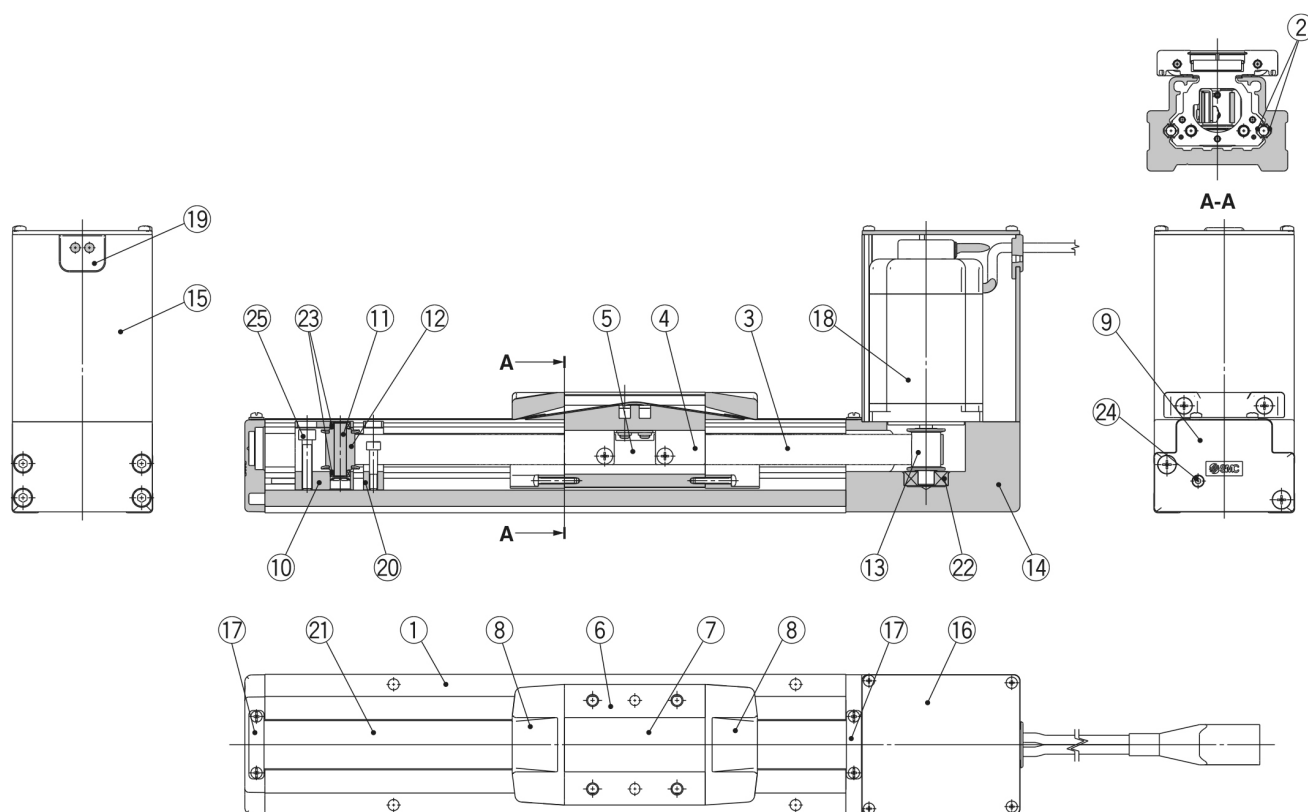
|                                                                  |                                            |
|------------------------------------------------------------------|--------------------------------------------|
| Size                                                             | 16                                         |
| Motor                                                            | Step Motor (Servo 24 VDC)                  |
| Stroke                                                           | 300 mm                                     |
| Motor Option                                                     | w/o Lock                                   |
| Auto Switch Mounting Bracket                                     | None                                       |
| Seal Band Stopper                                                | Standard                                   |
| Positioning Pin Hole                                             | Housing B Bottom                           |
| Actuator Cable                                                   | R (Robotic Flexible Cable)                 |
| Actuator Cable Length                                            | 5 (5m)                                     |
| Controller                                                       | C (JXC, Step Motor Controller)             |
| I/O cabling for LEC controllers                                  | Without Cable                              |
| Protocol                                                         | P (PROFINET)                               |
| Suffix                                                           | F (With STO Sub-Function)                  |
| Controller Mounting                                              | 8 (DIN Rail)                               |
| I/O cabling for JXC Controllers and communication plug connector | None                                       |
| Approvals                                                        | CE                                         |
| Impact/Vibration resistance                                      | 50/20 m/s <sup>2</sup>                     |
| Encoder                                                          | Incremental A/B phase (800 pulse/rotation) |
| Power supply                                                     | 24 VDC ±10 %                               |

|                                |                        |
|--------------------------------|------------------------|
| Horizontal work load           | 48 - 1100 mm/s         |
| Speed                          | 1 kg                   |
| Max. Acceleration/deceleration | 3000 mm/s <sup>2</sup> |
| Positioning repeatability      | ± 0.08 mm              |
| Lost motion                    | 0.1 mm                 |
| Operating temperature range    | 5 - 40 °C              |

Dimensions



## Constructions



| No. | Description             | Material                  | Note       |
|-----|-------------------------|---------------------------|------------|
| 1   | Body                    | Aluminium alloy           | Anodised   |
| 2   | Rail guide              | —                         |            |
| 3   | Belt                    | —                         |            |
| 4   | Belt holder             | Carbon steel              | Chromating |
| 5   | Belt stopper            | Aluminium alloy           | Anodised   |
| 6   | Table                   | Aluminium alloy           | Anodised   |
| 7   | Blanking plate          | Aluminium alloy           | Anodised   |
| 8   | Seal band holder        | Synthetic resin           |            |
| 9   | Housing A               | Aluminium die-cast        | Coating    |
| 10  | Pulley holder           | Aluminium alloy           |            |
| 11  | Pulley shaft            | Stainless steel           |            |
| 12  | End pulley              | Aluminium alloy           | Anodised   |
| 13  | Motor pulley            | Aluminium alloy           | Anodised   |
| 14  | Motor mount             | Aluminium alloy           | Anodised   |
| 15  | Motor cover             | Aluminium alloy           | Anodised   |
| 16  | End cover               | Aluminium alloy           | Anodised   |
| 17  | Band stopper            | Stainless steel           |            |
| 18  | Motor                   | —                         |            |
| 19  | Rubber bushing          | NBR                       |            |
| 20  | Stopper                 | Aluminium alloy           |            |
| 21  | Dust seal band          | Stainless steel           |            |
| 22  | Bearing                 | —                         |            |
| 23  | Bearing                 | —                         |            |
| 24  | Tension adjustment bolt | Chromium molybdenum steel | Chromating |
| 25  | Pulley fixing bolt      | Chromium molybdenum steel | Chromating |

## Additional information

|                           |                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| Catalogue                 | <a href="#">LEF-F_EU.pdf</a>                                                                             |
| Declaration of conformity | <a href="#">newDoC_LEFx_11-LEFx_stepDC-servoDC_EN.pdf</a><br><a href="#">newDoC_LEFx_TF125-467EN.pdf</a> |
| Installation manuals      | <a href="#">IM_LEF_StepDC_EN_A.pdf</a><br><a href="#">IM_LEFx_servoDC_EN.pdf</a>                         |
| Operation manuals         | <a href="#">OM_LEFx_stepDC-servoDC_EN-B.pdf</a>                                                          |