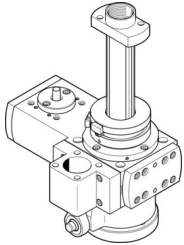


# Rotary lifting module EHMB-25-100

Part number: 1095933

FESTO



## Data sheet

 General operating condition

| Feature                                    | Value                               |
|--|-------------------------------------|
| Drive pinion diameter                      | 8 mm                                |
| Working stroke                             | 0 mm ... 100 mm                     |
| Size                                       | 25                                  |
| Rotation angle                             | Infinite                            |
| Toothed-belt pitch                         | 3 mm                                |
| Mounting position                          | optional                            |
| Type of gear unit                          | Toothed belt gear unit              |
| Design                                     | With toothed belt                   |
| Gear unit ratio                            | 4:1                                 |
| Position detection                         | Via inductive sensors               |
| Max. drive output speed                    | 300 rpm                             |
| Max. drive input speed                     | 1200 rpm                            |
| Max. speed                                 | 1.5 m/s                             |
| Repetition accuracy                        | ±0.03°                              |
| Sound pressure level                       | 51 dB(A)                            |
| Information on the sound pressure level    | With covering: 56 [dB (A)]          |
| LABS (PWIS) conformity                     | VDMA24364 zone III                  |
| Ambient temperature                        | -10 °C ... 60 °C                    |
| Mass moment of inertia                     | 5000 kgcm <sup>2</sup>              |
| Max. output torque                         | 8.8 Nm                              |
| Max. drive torque                          | 2.2 Nm                              |
| Max. feed force Fx                         | 480 N                               |
| Frictional torque independent of load      | <0.18 Nm                            |
| Reference value effective load, horizontal | 5 kg                                |
| Reference value effective load, vertical   | 5 kg                                |
| Product weight                             | 3347 g                              |
| Moving mass                                | 1542 g                              |
| Material drive shaft                       | Steel                               |
| Note on materials                          | RoHS-compliant                      |
| Material flange                            | Anodised wrought aluminium alloy    |
| Material drive shaft                       | High-alloy stainless steel          |
| Material cover                             | Wrought aluminium alloy<br>Anodised |
| Material housing                           | Anodised                            |
| Material retaining                         | Wrought aluminium alloy, anodised   |
| Material retaining bracket                 | Anodised wrought aluminium alloy    |

| Feature               | Value                            |
|-----------------------|----------------------------------|
| Material toothed belt | Polychloroprene with glass fibre |