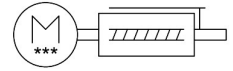
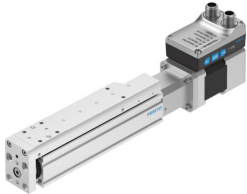


Mini slide unit

EGSS-BS-KF-32-100-8P-ST-M-H1-PLK-AA

Part number: 8083804

FESTO



Data sheet

| Feature | Value |
|--|---|
| Working stroke | 100 mm |
| Size | 32 |
| Stroke reserve | 0 mm |
| Spindle diameter | 8 mm |
| Spindle pitch | 8 mm/U |
| Mounting position | optional |
| Guide | Recirculating ball bearing guide |
| Design | Electric mini slide With ball screw drive With integrated drive |
| Spindle type | Ball screw drive |
| Position detection | Motor encoder Via proximity switch |
| Rotor position sensor | Absolute single-turn encoder |
| Rotor position sensor, encoder measuring principle | Magnetic |
| Additional functions | User interface Integrated end-position sensing |
| Display | LED |
| Max. acceleration | 5 m/s ² |
| Max. speed | 0.19 m/s |
| Repetition accuracy | ±0.015 mm |
| Features of digital logic outputs | Configurable Not galvanically isolated |
| Duty cycle | 100% |
| Insulation protection class | B |
| Max. current digital logic outputs | 100 mA |
| Max. current consumption | 3 A |
| Max. current consumption, logic | 300 mA |
| Nominal voltage DC | 24 V |
| Nominal current | 3 A |
| Parameterisation interface | IO-Link User interface |
| Permissible voltage fluctuations | +/- 15% |

| Feature | Value |
|---|---|
| Power supply, connection type | Plugs |
| power supply, connection system | M12x1, T-coded according to EN 61076-2-111 |
| Power supply, number of pins/wires | 4 |
| Approval | RCM trademark |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Storage temperature | -20 °C...60 °C |
| Relative air humidity | 0 - 90% |
| Degree of protection | IP40 |
| Ambient temperature | 0 °C...50 °C |
| Note on ambient temperature | Power must be reduced by 2% per K at ambient temperatures above 30°C. |
| Max. force Fy | 991 N |
| Max. force Fz | 991 N |
| Fy at theoretical life value of 100 km (only guide consideration) | 2135 N |
| Fz at theoretical life value of 100 km (only guide consideration) | 2135 N |
| Max. moment Mx | 3.4 Nm |
| Max. moment My | 3.17 Nm |
| Max. moment Mz | 3.17 Nm |
| Mx at theoretical life value of 100 km (only guide consideration) | 10 Nm |
| My at theoretical life value of 100 km (only guide consideration) | 7 Nm |
| Mz at theoretical life value of 100 km (only guide consideration) | 7 Nm |
| Max. radial force at drive shaft | 140 N |
| Max. feed force Fx | 60 N |
| Reference value effective load, horizontal | 2 kg |
| Reference value effective load, vertical | 2 kg |
| Feed constant | 8 mm/U |
| Reference service life | 5000 km |
| Moving mass for 0 mm stroke | 149 g |
| Additional moving mass per 10 mm stroke | 12 g |
| Product weight | 1225 g |
| Basic weight for 0 mm stroke | 924 g |
| Additional weight per 10 mm stroke | 30 g |
| Number of digital logic outputs 24 V DC | 2 |
| Number of digital logic inputs | 2 |
| Working range of logic input | 24 V |
| Features of logic input | Configurable Not galvanically isolated |
| IO-Link, Process data content OUT | 1-bit (move in) 1-bit (move out) 1-bit (quit error) 1 bit (move intermediate) |
| IO-Link, Process data content IN | 1-bit (state device) 1 bit (intermediate state) 1-bit (state move) 1-bit (state in) 1-bit (state out) |
| IO-Link, Service data IN | 32-bit force 32-bit position 32-bit speed |
| IO-Link, Data storage required | 0.5 KB |
| Switching logic for inputs | PNP (positive switching) |
| Logic interface, connection type | Plug |
| Logic interface, connection technology | M12x1, A-coded according to EN 61076-2-101 |

| Feature | Value |
|---------------------------------------|---|
| Logic interface, number of pins/wires | 8 |
| Type of mounting | Via female thread Via centring sleeve With accessories Via cylindrical pin |
| Note on materials | RoHS-compliant |
| Material guide slide | Rolled steel |
| Material guide rail | Rolled steel |
| Material spindle | Rolled steel |