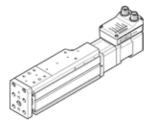
mini slide unit EGSS-BS-KF-32-50-8P-ST-M-H1-PLK-AA Part number: 8083802

FESTO



TITIT

Data sheet

Value	
50 mm	
32	
0 mm	
150 µm	
8 mm	
8 mm/U	
Any	
Recirculating ball bearing guide	
Electric mini slide	
With ball screw	
with integrated drive	
Stepper motor	
Fixed stop block positive	
Fixed stop block negative	
Ball screw	
Motor encoder	
For proximity sensor	
User interface	
Integrated end-position sensing	
LED	
5 m/s2	
0.01 m/s	
±0,015 mm	
-	
100 %	
В	
100 mA	
3 A	
300 mA	
24 V	
3A	
IO-Link	
User interface	
16 Bit	
+/- 15 %	
4	
RCM Mark	
	50 mm320 mm150 µm8 mm8 mm/UAnyRecirculating ball bearing guideElectric mini slideWith ball screwwith integrated driveStepper motorFixed stop block positiveFixed stop block negativeBall screwMotor encoderFor proximity sensorAbsolute single turn encoderMagneticTemperature monitoringUser interfaceIntegrated end-position sensingLED5 m/s20.19 m/s0.01 m/s±0,015 mmconfigurableNot electrically isolated100 %B100 mA3 A300 mA24 V3 A10-LinkUser interface16 Bit+/-15 %PlugM12x1, T-coded as per EN 61076-2-1114

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Feature	Value
CE symbol (see declaration of conformity)	according to EU-EMV guideline
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
	To UK RoHS instructions
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Cleanroom class	ISO class 9
Storage temperature	-20 60 °C
Relative air humidity	0 - 90 %
Protection class	IP40
Safety class	
Ambient temperature	0 50 °C
Note on ambient temperature	Above an ambient temperature of 30 °C, the power must be reduced by 2% per K.
Fixed bearing dynamic basic load rating	3,795 N
Linear guide dynamic basic load rating	2,135 N
Ball screw drive dynamic basic load rating	2,000 N
Max. force Fy	991 N
Max. force Fz	991 N
Fy with theoretical service life of 100 km (from a guide perspective only)	2,135 N
Fz with theoretical service life of 100 km (from a guide perspective only)	2,135 N
Max. torque Mx	3.4 Nm
Max. torque My	3.17 Nm
Max. torque Mz	3.17 Nm
Mx with theoretical service life of 100 km (from a guide perspective only	10 Nm
My with theoretical service life of 100 km (from a guide perspective only)	7 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	7 Nm
Max. radial force at drive shaft	140 N
Max. feed force Fx	60 N
Reference value for working load, horizontal	2 kg
Reference value for working load, vertical	2 kg
Ball screw drive statistical basic load rating	3,700 N
Linear guide statistical basic load rating Feed constant	3,880 N
	8 mm/U
Fixed bearing statistical basic load rating	1,792 N
Reference value, running performance Maintenance interval	5,000 km Life-time lubrication
Moving mass with 0 mm stroke	149 g
Additional mass factor per 10 mm of stroke	12 g
Product weight	1,074 g
Basic weight for 0 mm stroke	924 g
Additional weight per 10 mm stroke	30 g
Number of 24 V DC digital logic outputs	2
Number of digital logic inputs	2
Specification, logic input	Based on IEC 61131-2, type 1
Logic input working range	24 V
IO-Link, SIO mode support	Yes
Logic input characteristics	configurable Not electrically isolated
IO-Link, protocol	Device V 1.1
IO-Link, communication mode	COM3 (230.4 kbd)
IO-Link, port type	A
IO-Link, number of ports	1
IO-Link, process data width OUT	2 Byte
IO-Link, process data content OUT	1 bit (Move in)
	1 bit (Move out)

FESTO

Feature	Value
	1 bit (Move Intermediate)
IO-Link, process data width IN	2 Byte
IO-Link, process data content IN	1 bit (State Device)
	1 bit (State Intermediate)
	1 bit (State Move)
	1 bit (State in)
	1 bit (State out)
IO-Link, Service data contents IN	32 bit Force
	32 bit Position
	32 bit Speed
IO-Link, minimum cycle time	1 ms
IO-Link, data memory required	0.5 Kilobyte
Max. line length	15 m outputs
	15 m inputs
	20 m with IO-Link operation
Switching logic, outputs	PNP (positive-switching)
Input circuit logic	PNP (positive-switching)
IO-Link, connection technology	Plug
Logic interface, connection type	Plug
Logic interface, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Logic interface, number of poles/wires	8
Logic interface, connection pattern	00992264
Mounting type	with internal (female) thread
	with centering sleeve
	with accessories
	With cylindrical dowel pin
Materials note	Conforms to RoHS
Material guide slide	Roller bearing steel
Material guide rail	Roller bearing steel
Material housing	Anodised wrought aluminium alloy
Material yoke plate	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive
Material slide	Anodised wrought aluminium alloy
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel