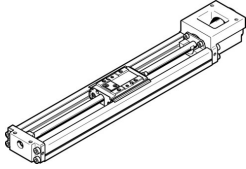


# Electrical slide EGSK-20-75-1P

Part number: 562759

FESTO



 General operating condition

## Data sheet

Feature	Value
Working stroke	75 mm
Size	20
Reversing backlash theoretical	$\leq 20 \mu\text{m}$
Spindle diameter	6 mm
Spindle pitch	1 mm/U
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	With ball screw
Referencing	Reference switch
Spindle type	Ball screw
Symbol	00991211
Max. acceleration	10 m/s <sup>2</sup>
Max. speed	0.19 m/s
Repetition accuracy	$\pm 0.01 \text{ mm}$
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection	IP10
Ambient temperature	0 °C ... 40 °C
Dynamic basic load rating fixed bearing	1000 N
Dynamic basic load rating linear guide	2849 N
Dynamic basic load rating ball screw	660 N
2nd moment of area ly	6100 mm <sup>4</sup>
2nd moment of area lz	62000 mm <sup>4</sup>
Max. drive torque	0.011 Nm
Max. force Fy	1389 N
Max. force Fz	1389 N
Max. moment Mx	18.1 Nm
Max. moment My	5.8 Nm
Max. moment Mz	5.8 Nm
Max. feed force Fx	69 N
Frictional torque independent of load	0.005 Nm
Static basic load rating ball screw	1170 N
Static basic load rating linear guide	6300 N
Mass moment of inertia JH per metre of stroke	0.01 kgcm <sup>2</sup>
Mass moment of inertia JO	8.7E-4 kgcm <sup>2</sup>

<b>Feature</b>	<b>Value</b>
Feed constant	1 mm/U
Static basic load rating fixed bearing	1240 N
Reference service life	500 km
Moving mass	64 g
Weight of slide	64 g
Product weight	583 g
Weight of additional slide	64 g
Basic weight for 0 mm stroke	380 g
Additional weight per 10 mm stroke	27 g
Type of mounting	Via female thread and dowel pin
Material end cap	Die-cast aluminium coated
Material profile	High-alloy stainless steel
Note on materials	RoHS compliant
Material drive cover	Die-cast aluminium coated
Material slide	Steel
Material ball screw nut	Steel
Material spindle	Steel