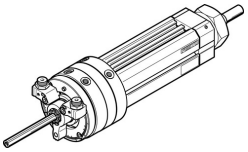
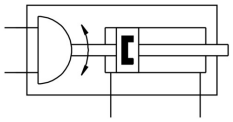
Swivel actuator unit
DSL-25-40-270-P-A-S2-KF-B

Part number: 556660

FESTO





Data sheet

Feature	Value
Adjustment range of swivel angle	0 deg ... 270 deg
Stroke	40 mm
Piston diameter	25 mm
Swivel angle	0 deg ... 272 deg
Type code	DSL
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Precision adjustment	-6 deg
Mode of operation	Double-acting
Structural design	Rotary vane
Position sensing	For proximity sensor
Symbol	00991268
Variants	Through piston rod
Protection against torsion/guide	Guided on ball bearings
Operating pressure	2.5 bar ... 8 bar
Max. impact velocity	0.5 m/s
Max. swivel frequency at 6 bar	2 Hz
Swivel angle backlash	0.05 deg
Repetition accuracy	1 deg
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature	-10 °C ... 60 °C
Dynamic load torque	0.7 Nm
Theoretical force at 6 bar, retracting	173.5 N
Theoretical force at 6 bar, advancing	248 N
Theoretical torque at 6 bar	5 Nm
Permissible mass moment of inertia	1.1E-4 kgm²
Additional weight per 10 mm stroke	67 g
Basic weight with 0 mm stroke	1650 g
Product weight	1650 g
Type of mounting	Optionally: Clamped in T slot With external thread
Pneumatic connection	M5

Feature	Value
Cover material	Wrought aluminum alloy Anodized
Seals material	TPE-U(PU)
Housing material	Wrought aluminum alloy Smooth anodized
Piston rod material	Tempered steel