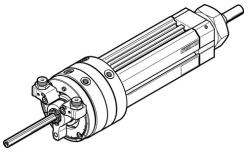
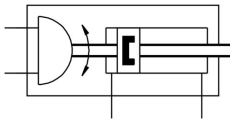
Swivel actuator unit
DSL-40-50-270-P-A-S20-KF-B

Part number: 556741





Data sheet

Feature	Value
Adjustment range of swivel angle	0 deg ... 270 deg
Stroke	50 mm
Piston diameter	40 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	00991269
Variants	Through, hollow 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	5.4 Nm
Theoretical force at 6 bar, retracting	495 N
Theoretical force at 6 bar, advancing	603 N
Theoretical torque at 6 bar	20 Nm
Permissible mass moment of inertia	2.4E-4 kgm²
Additional weight per 10 mm stroke	175 g
Basic weight with 0 mm stroke	5200 g
Product weight	5200 g
Type of mounting	Optionally: Clamped in T slot With external thread
Pneumatic connection	G1/8

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