

Swivel actuator unit DSL-40-100-270-CC-A-S2-B

Part number: 556559

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Cushioning angle	16 deg
Adjustment range of swivel angle	0 deg ... 240 deg
Stroke	100 mm
Piston diameter	40 mm
Swivel angle	0 deg ... 240 deg
Cushioning	Pneumatic shock absorber at both ends Elastic cushioning rings/pads at both ends
Mounting position	Any
Precision adjustment	-3 deg
Mode of operation	Double-acting
Structural design	Rotary vane
Position sensing	Via proximity switch
Symbol	00991268
Variants	Through piston rod
Protection against torsion/guide	With plain bearing-guide
Operating pressure	2.5 bar ... 8 bar
Max. impact velocity	0.5 m/s
Max. swivel frequency at 6 bar	0.7 Hz
Swivel angle backlash	2 deg
Repetition accuracy	0.1 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
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-10 °C ... 60 °C
Dynamic load torque	1.1 Nm
Theoretical force at 6 bar, retracting	495 N
Theoretical force at 6 bar, advancing	660 N
Theoretical torque at 6 bar	20 Nm
Permissible mass moment of inertia	0.004 kgm ²
Product weight	6905 g
Basic weight with 0 mm stroke	5205 g
Additional weight per 10 mm stroke	170 g
Type of mounting	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	Smooth-anodized
Piston rod material	Quenched and tempered steel