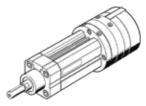
Swivel/linear unit DSL-25-50-270-P-S20-FF

Part number: 159552

For proximity sensing. Rotary and linear movement can be actuated independently of one another. Rotary movement of 0° - 270° infinitely adjustable.

The maximum rotary angle play at the piston rod is 2°. When mounting additional components on the drive shaft, never exceed the maximum permitted tightening torque of 5.5 Nm.



Data sheet

Feature	Value
Cushioning angle	1.9 deg
Rotation angle adjustment range	270 deg
Stroke	50 mm
Piston diameter	25 mm
Swivel angle	272 deg
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Fine adjustment	5 deg
Mode of operation	double-acting
Design structure	Rotary vane
Position detection	For inductive sensors
	For proximity sensor
Variants	S20: through, hollow piston rod
Protection against torque/guide	with plain-bearing guide
Operating pressure	2.5 8 bar
Max. impact speed	500 mm/s
Max. swivel frequency at 6 bar	2 Hz
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	-10 60 °C
Cushioning length	5 mm
Torque at 6 bar	5 Nm
Theoretical force at 6 bar, return stroke	174 N
Theoretical force at 6 bar, advance stroke	246 N
Permissible mass moment of inertia	0.00011 kgm2
Additional weight per 10 mm stroke	67 g
Basic weight for 0 mm stroke	1,500 g
Product weight	1,500 g
Mounting type	Clamped in T-slot
	with external (male) thread
	Optional
Pneumatic connection	M5
Materials information for cover	Wrought Aluminium alloy
	Anodised
Materials information for seals	TPE-U(PU)
Materials information, housing	Wrought Aluminium alloy
	Smooth anodised
Materials information for piston rod	Heat-treatment steel

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