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

Part number: 163075

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	10 deg	
Rotation angle adjustment range	270 deg	
Stroke	50 mm	
Piston diameter	25 mm	
Swivel angle	258 deg	
Cushioning	CL: shock absorber left	
	P: Flexible cushioning rings/plates at both ends	
Assembly position	Any	
Fine adjustment	1.5 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	1 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	0.0016 kgm2	
Additional weight per 10 mm stroke	67 g	
Basic weight for 0 mm stroke	1,610 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	



