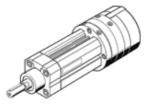
## Swivel/linear unit DSL-40-80-270-P-S20-CR

Part number: 175893

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

The maximum rotary angle play at the piston rod is  $2^{\circ}$ . When mounting additional components on the drive shaft, never exceed the maximum permitted tightening torque of 48.4 in lb / 5.5 Nm.



## **Data sheet**

Feature	Value	
Cushioning angle	15 deg	
Rotation angle adjustment range	270 deg	
Stroke	80 mm	
Piston diameter	40 mm	
Swivel angle	240 deg	
Cushioning	CR: shock absorber right	
	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	0.7 Hz	
Operating medium	Dried compressed air, lubricated or unlubricated	
Ambient temperature	-10 60 °C	
Cushioning length	12 mm	
Torque at 6 bar	20 Nm	
Theoretical force at 6 bar, return stroke	495 N	
Theoretical force at 6 bar, advance stroke	660 N	
Permissible mass moment of inertia	0.004 kgm2	
Additional weight per 10 mm stroke	170 g	
Basic weight for 0 mm stroke	5,200 g	
Mounting type	Clamped in T-slot	
	with external (male) thread	
	Optional	
Pneumatic connection	G1/8	
Materials information for cover	Wrought Aluminum alloy	
	Anodized	
Materials information for seals	TPE-U(PU)	
Materials information, housing	Wrought Aluminum alloy	
	Smooth anodized	
Materials information for piston rod	Heat-treatment steel	

## **FESTO**

