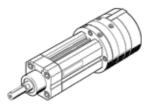
## Swivel/linear unit DSL-40-160-270-P-S20-CC-KF

Part number: 177282

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



## **Data sheet**

Feature	Value	
Cushioning angle	15 deg	
Rotation angle adjustment range	270 deg	
Stroke	160 mm	
Piston diameter	40 mm	
Swivel angle	240 deg	
Cushioning	CC: Shock absorber at both ends	
	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 ball-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	603 N	
Permissible mass moment of inertia	0.004 kgm2	
Additional weight per 10 mm stroke	175 g	
Basic weight for 0 mm stroke	5,350 g	
Product weight	5,350 g	
Mounting type	Clamped in T-slot	
	with external (male) thread	
	Optional	
Pneumatic connection	G1/8	
Materials information for cover	Wrought Aluminium alloy	
	Anodised	
Materials information for seals	TPE-U(PU)	
Materials information, housing	Aluminium	
	Smooth anodised	
Materials information for piston rod	Heat-treatment steel	

