

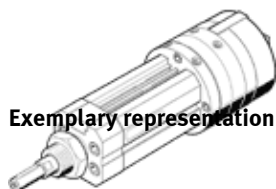
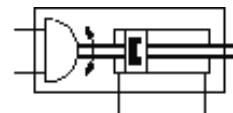
Swivel/linear unit

DSL-16- -270-P-S20-FF-KF

Part number: 177181

FESTO

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



Exemplary representation

Data sheet

Feature	Value
Cushioning angle	2.6 deg
Rotation angle adjustment range	270 deg
Stroke	10 ... 100 mm
Piston diameter	16 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 ball-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	4.5 mm
Torque at 6 bar	1.25 Nm
Theoretical force at 6 bar, return stroke	73.5 N
Theoretical force at 6 bar, advance stroke	103.5 N
Permissible mass moment of inertia	0.000035 kgm ²
Additional weight per 10 mm stroke	33 g
Basic weight for 0 mm stroke	700 g
Product weight	700 g
Mounting type	Clamped in T-slot with external (male) thread Optional
Pneumatic connection	M5
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