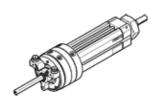
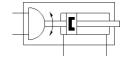
## Swivel/linear unit DSL-40-160-270-P-A-S2-B

Part number: 556570

**FESTO** 

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





## **Data sheet**

Feature	Value
Rotation angle adjustment range	0 270 deg
Stroke	160 mm
Piston diameter	40 mm
Swivel angle	0 272 deg
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Fine adjustment	-6 deg
Mode of operation	double-acting
Design structure	Rotary vane
Position detection	For proximity sensor
Variants	Through piston rod
Protection against torque/guide	with plain-bearing guide
Working pressure	2.5 8 bar
Max. impact speed	500 mm/s
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	2 Hz
Swivel angle backlash	2 deg
Repetition accuracy	1 deg
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-10 60 °C
Dynamic load torque	1.1 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	495 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	660 N
Theoretical torce at 0.6 MPa (6 bar, 87 psi), advance	20 Nm
Permissible mass moment of inertia	
	0.00024 kgm2
Product weight Basic weight for 0 mm stroke	5,000 g 5,000 g
Additional weight per 10 mm stroke	-
Mounting type	170 g  Clamped in T-slot
Mounting type	with external (male) thread
	Optional
Pneumatic connection	G1/8
Material cover	Wrought Aluminum alloy
material cover	Anodized
Material seals	TPE-U(PU)
Material housing	Wrought Aluminum alloy
material nousing	Smooth anodized
Material piston rod	Heat-treatment steel