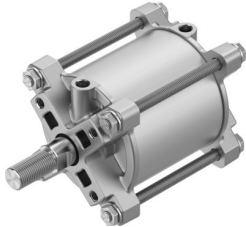


# Linear actuator DFPC-80-50-D

Part number: 8110815

**FESTO**



## Data sheet

Feature	Value
Size of valve actuator	80
Flange hole pattern	F07
Stroke	50 mm
Piston diameter	80 mm
Standard connection for valve	ISO 5210
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod Tie rod Cylinder barrel
Position sensing	For proximity sensor
Operating pressure	0.2 MPa...0.8 MPa 2 bar...8 bar 29 psi...116 psi
Nominal operating pressure	0.6 MPa 6 bar 87 psi
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364 zone III
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	1.4 J
Theoretical force at 6 bar, retracting	2827 N
Theoretical force at 6 bar, advancing	3016 N
Air consumption, retracting, per 10 mm stroke	0.33 l
Air consumption advancing per 10 mm stroke	0.352 l
Moving mass at 0 mm stroke	451 g
Additional moving mass per 10 mm stroke	24.8 g
Product weight	1540 g

Feature	Value
Basic weight with 0 mm stroke	1230.3 g
Additional weight per 10 mm stroke	61.8 g
Type of mounting	On flange as per ISO 5210 With spacer bolt Optionally:
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Gravity die-cast aluminum
Piston rod material	High-alloy stainless steel
Piston rod wiper material	TPE-U(PU)
Nut material	High-alloy stainless steel
Static seal material	NBR
Tie rod material	High-alloy stainless steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized