

# Linear actuator DFPC-125-100-D

Part number: 8110773

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Size of valve actuator	125
Flange hole pattern	F10
Stroke	100 mm
Piston diameter	125 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
Symbol	00991217
Operating pressure	0.2 MPa ... 0.8 MPa
Operating pressure	2 bar ... 8 bar
Operating pressure	29 psi ... 116 psi
Nominal operating pressure	0.6 MPa
Nominal operating pressure	6 bar
Nominal operating pressure	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	1.1 J
Theoretical force at 6 bar, retracting	7069 N
Theoretical force at 6 bar, advancing	7363 N
Air consumption, retracting, per 10 mm stroke	0.825 l
Air consumption advancing per 10 mm stroke	0.859 l
Moving mass at 0 mm stroke	1059.6 g
Additional moving mass per 10 mm stroke	38.9 g
Product weight	4040 g
Basic weight with 0 mm stroke	2968.9 g
Additional weight per 10 mm stroke	107.4 g

Feature	Value
Type of mounting	Optionally: On flange as per ISO 5210 With spacer bolt
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