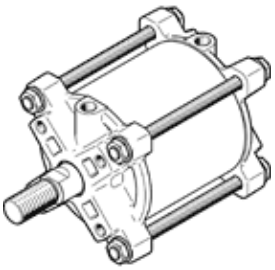
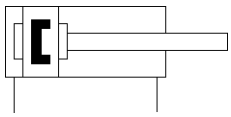
linear drive
DFPC-125-100-D

Part number: 8110773

FESTO





Data sheet

Feature	Value
Size of actuator	125
Flange hole pattern	F10
Stroke	100 mm
Piston diameter	125 mm
Fitting connection conforms to standard	ISO 5210
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston Piston rod Tie rod Cylinder barrel
Position detection	For proximity sensor
Operating pressure MPa	0.06 ... 0.8 MPa
Operating pressure	0.6 ... 8 bar 8.7 ... 116 psi
Nominal operating pressure	0.6 MPa 6 bar
Nominal operating pressure (psi)	87 psi
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)
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 in accordance with FN 942017-5 and EN 60068-2-27
PWIS conformity	VDMA24364 zone III
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1.1 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	7,069 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	7,363 N
Air consumption returning per 10 mm stroke	0.825 l
Air consumption advancing per 10 mm stroke	0.859 l
Moving mass with 0 mm stroke	1,059.6 g
Additional mass factor per 10 mm of stroke	38.9 g
Product weight	4,040 g
Basic weight for 0 mm stroke	2,968.9 g
Additional weight per 10 mm stroke	107.4 g
Mounting type	On flange as per ISO 5210 With spacer bolt Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Gravity die-cast aluminium
Material piston rod	High alloy steel, non-corrosive
Material piston rod wiper seal	TPE-U(PU)
Material nut	High alloy steel, non-corrosive
Material static seals	NBR
Material tie rod	High alloy steel, non-corrosive
Material cylinder barrel	Smooth-anodised wrought aluminium alloy