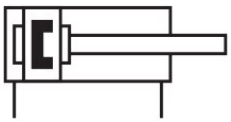
Linear drive
DFPC-80-80-D

Part number: 8110816





Data sheet

Feature	Value
Size of valve actuator	80
Flange hole pattern	F07
Stroke	80 mm
Piston diameter	80 mm
Fitting connection conforms to standard	ISO 5210
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod Tie rod Cylinder barrel
Position detection	Via proximity switch
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 to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364 zone III
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	1.4 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	2827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	3016 N
Air consumption on return stroke per 10 mm	0.33 l
Air consumption on advance stroke per 10 mm	0.352 l
Moving mass for 0 mm stroke	451 g
Additional moving mass per 10 mm stroke	24.8 g

Feature	Value
Product weight	1720 g
Basic weight for 0 mm stroke	1230.3 g
Additional weight per 10 mm stroke	61.8 g
Type of mounting	Either: On flange as per ISO 5210 With spacer bolt
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Gravity die-cast aluminium
Material piston rod	High-alloy stainless steel
Material piston rod wiper	TPE-U(PU)
Material nut	High-alloy stainless steel
Material static seals	NBR
Material tie rod	High-alloy stainless steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy