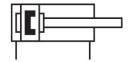
## Linear drive DFPC-80-80-D Part number: 8110816







General operating condition

## **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
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 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
Product weight	1720 g
Basic weight for 0 mm stroke	1230.3 g

Feature	Value
Additional weight per 10 mm stroke	61.8 g
Type of mounting	On flange as per ISO 5210 With spacer bolt Either:
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