

# linear drive

## DGPL-80- -PPV-A-KF-B

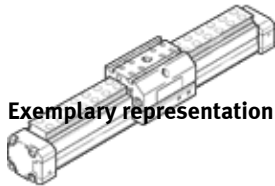
Part number: 161797

Classic - do not use for new projects

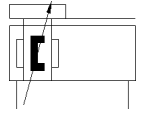
For proximity sensing, rodless, with positive-locking connection between piston and driver and adjustable end-position cushioning at both ends.

Modern alternatives can be found by entering the first four characters of the type code in the search field.

FESTO



Exemplary representation



## Data sheet

Feature	Value
Stroke	10 ... 3,000 mm
Piston diameter	80 mm
Cushioning	PPV: Pneumatic cushioning adjustable at both ends YXR: Shock absorber, hard characteristic curve
Assembly position	Any
Guide	Recirculating ball bearing guide
Driver principle	positive-locking (slot)
Position detection	For proximity sensor
Operating pressure MPa	0.15 ... 0.8 MPa
Operating pressure	1.5 ... 8 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:-:-]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 ... 60 °C
Cushioning length	83 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	3,016 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass	12,500 g
Moving mass with 0 mm stroke	12,500 g
Additional mass factor per 10 mm of stroke	270 g
Basic weight for 0 mm stroke	28,700 g
alternative connections	See product drawing
Pneumatic connection	G1/2
Material cover	Aluminium casting coated
Material seals	NBR TPE-U(PU)
Material housing	Aluminium Anodised