

linear drive

DGPL-50- -PPV-A-KF-B

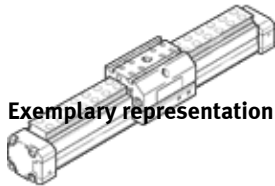
Part number: 161795

Classic - do not use for new projects

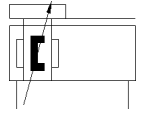
For proximity sensing, rodless, with positive-locking connection between piston and driver and adjustable end-position cushioning at both ends.

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	50 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	30 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1,178 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,178 N
Moving mass	3,000 g
Moving mass with 0 mm stroke	3,000 g
Additional mass factor per 10 mm of stroke	167 g
Basic weight for 0 mm stroke	9,600 g
alternative connections	See product drawing
Pneumatic connection	G1/4
Material cover	Aluminium casting coated
Material seals	NBR TPE-U(PU)
Material housing	Aluminium Anodised