

# Linear drive DLGF-G-20-100-PPSA

Part number: 5074918

FESTO



 General operating condition

## Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	20 mm
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Guide	Basic Guide
Coupling design	Positive-locking (slot)
Position detection	Via proximity switch
Symbol	00995280
Operating pressure	0.2 MPa ... 0.8 MPa
Operating pressure	2 bar ... 8 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	0 °C ... 60 °C
Cushioning length	9.6 mm
Max. force $F_y$	0 N
Max. force $-F_z$ (towards drive)	98 N
Max. force $+F_z$ (away from drive)	54 N
Max. moment $M_x$	0.6 Nm
Max. moment $M_y$	2.2 Nm
Max. moment $M_z$	0.7 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	188 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	188 N
Moving mass	66 g
Product weight	872 g
alternative connections	See product drawing
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS compliant Copper-free

<b>Feature</b>	<b>Value</b>
Material cover	Cast aluminium, coated
Material seals	NBR TPE-U(PU)
Material housing	Anodised aluminium