

Guided drive DFM-100-200-P-A-GF

Part number: 170898

FESTO



Data sheet

Feature	Value
Distance from centre of gravity of load to yoke plate xs	125 mm
Max. permissible torque load Mx as a function of stroke	37.6 Nm
Stroke	200 mm
Piston diameter	100 mm
Short type code	DFM
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Guide	Plain-bearing guide
Design	Guidance
Position detection	Via proximity switch
Symbol	00991737
Operating pressure	0.5 bar ... 10 bar
Max. speed	0.4 m/s
Mode of operation	Double-acting
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)
Corrosion resistance class CRC	1 - Low corrosion stress
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	1 J
Max. effective load dependent upon stroke at defined distance xs	400 N
Theoretical force at 6 bar, return stroke	4418 N
Theoretical force at 6 bar, advance stroke	4712 N
Moving mass	10431 g
Product weight	21148 g
alternative connections	See product drawing
Pneumatic connection	G3/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	NBR
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel