

Twin cylinder DGTZ-GF-16- -P-A

Part number: 8116417

FESTO



Data sheet

Feature	Value
Min. stroke limit (hard)	101 mm
Stroke	101 mm...200 mm
Max. stroke limit (hard)	200 mm
Adjustable end-position range/length	10 mm
Piston diameter	16 mm
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
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar
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
LABS (PWIS) conformity	VDMA24364 zone III
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C...80 °C
Impact energy in end positions	0.15 Nm
Max. effective load dependent upon stroke at defined distance xs	1.5 N...2.9 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	181 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	242 N
Moving mass	161 g...240 g
Moving mass for 0 mm stroke	80 g
Additional moving mass per 10 mm stroke	8 g
Product weight	509 g...776 g
Basic weight for 0 mm stroke	236 g
Additional weight per 10 mm stroke	27 g

Feature	Value
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	NBR
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel