

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

Part number: 8116417

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

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	Any
Guide	Plain-bearing guide
Design	Guidance
Position detection	Via proximity switch
Symbol	00991249
Operating pressure	0.1 MPa ... 0.8 MPa
Operating pressure	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 suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-10 °C ... 80 °C
Impact energy in end positions	0.15 J
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
Pneumatic connection	M5

<b>Feature</b>	<b>Value</b>
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