

Twin cylinder DGTZ-GF-25- -P-A

Part number: 8116422

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	25 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	0.3 J
Max. effective load dependent upon stroke at defined distance xs	2.5 N ... 7.2 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	454 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	590 N
Moving mass	391 g ... 569 g
Moving mass for 0 mm stroke	209 g
Additional moving mass per 10 mm stroke	18 g
Product weight	1099 g ... 1623 g
Basic weight for 0 mm stroke	563 g
Additional weight per 10 mm stroke	53 g
Pneumatic connection	G1/8

Feature	Value
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