

# Twin cylinder DGTZ-GF-25-50-P-A

Part number: 8100641

FESTO



[PDF](#) [General operating condition](#)

## Data sheet

Feature	Value
Stroke	50 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	optional
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	13 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	828 g
Product weight	828 g
Pneumatic connection	G1/8
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