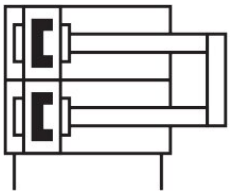
Twin cylinder
DGTZ-GF-6-10-P-A

Part number: 8100542





Data sheet

Feature	Value
Stroke	10 mm
Adjustable end position range/length	10 mm
Piston diameter	6 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Plain-bearing guide
Structural design	Guide
Position sensing	Via proximity switch
Operating pressure	0.2 MPa...0.8 MPa 2 bar...8 bar
Mode of operation	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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 the end positions	0.01 Nm
Max. payload as a function of the stroke at defined distance xs	1.6 N
Theoretical force at 6 bar, retracting	18.6 N
Theoretical force at 6 bar, advancing	34 N
Moving mass	17 g
Product weight	82 g
Pneumatic connection	M5
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized
Piston rod material	high-alloy stainless steel