


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

Part number: 8116420

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|--|
| Min. stroke limit (hard) | 51 mm |
| Stroke | 51 mm ... 60 mm |
| Max. stroke limit (hard) | 60 mm |
| Adjustable end-position range/length | 10 mm |
| Piston diameter | 6 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 | 0.2 MPa ... 0.8 MPa |
| Operating pressure | 2 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 5 according to ISO 14644-1 |
| Ambient temperature | -10 °C ... 80 °C |
| Impact energy in end positions | 0.01 J |
| Max. effective load dependent upon stroke at defined distance xs | 0.5 N ... 0.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 18.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 34 N |
| Moving mass | 25 g ... 27 g |
| Moving mass for 0 mm stroke | 15 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Product weight | 148 g ... 164 g |
| Basic weight for 0 mm stroke | 65.5 g |
| Additional weight per 10 mm stroke | 16.5 g |
| Pneumatic connection | M5 |

| 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 |