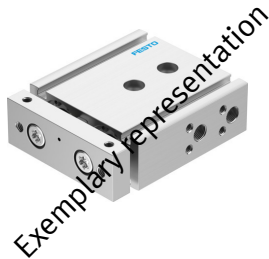



# Twin cylinder DGTZ-GF-25- -P-A

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  | 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 class  | 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       |