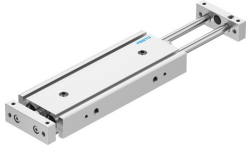


# Twin cylinder DGTZ-GF-10-50-J-T-P-A

Part number: 8103501

FESTO



 General operating condition

## Data sheet

| Feature                                                          | Value                                                                                      |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                           | 50 mm                                                                                      |
| Adjustable end-position range/length                             | 10 mm                                                                                      |
| Piston diameter                                                  | 10 mm                                                                                      |
| Operating mode, drive unit                                       | Two yokes                                                                                  |
| Cushioning                                                       | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                                | optional                                                                                   |
| Guide                                                            | Plain-bearing guide                                                                        |
| Design                                                           | Guidance                                                                                   |
| Position detection                                               | Via proximity switch                                                                       |
| Symbol                                                           | 00991243                                                                                   |
| 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 6 according to ISO 14644-1                                                           |
| Ambient temperature                                              | -10 °C ... 80 °C                                                                           |
| Impact energy in end positions                                   | 0.08 J                                                                                     |
| Max. effective load dependent upon stroke at defined distance xs | 5.5 N                                                                                      |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke      | 60 N                                                                                       |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke     | 60 N                                                                                       |
| Moving mass                                                      | 109 g                                                                                      |
| Product weight                                                   | 323.5 g                                                                                    |
| Pneumatic connection                                             | M5                                                                                         |
| 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                                                                 |