

# Twin cylinder DGTZ-GF-16-100-P-A

Part number: 8100579

**FESTO**



## Data sheet

| Feature                                                         | Value                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                          | 100 mm                                                             |
| Adjustable end position range/length                            | 10 mm                                                              |
| Piston diameter                                                 | 16 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                                              | 0.1 MPa...0.8 MPa<br>1 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                              | 0.15 Nm                                                            |
| Max. payload as a function of the stroke at defined distance xs | 2.9 N                                                              |
| Theoretical force at 6 bar, retracting                          | 181 N                                                              |
| Theoretical force at 6 bar, advancing                           | 242 N                                                              |
| Moving mass                                                     | 505 g                                                              |
| Product weight                                                  | 505 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                                         |