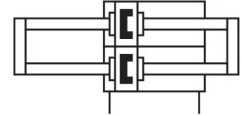


# Twin cylinder DGTZ-GF-20-80-J-T-P-A

Part number: 8103492

**FESTO**



 General operating condition

## Data sheet

| Feature                                                         | Value                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                          | 80 mm                                                              |
| Adjustable end position range/length                            | 10 mm                                                              |
| Piston diameter                                                 | 20 mm                                                              |
| Drive unit operating mode                                       | Two yokes                                                          |
| Cushioning                                                      | Elastic cushioning rings/pads at both ends                         |
| Mounting position                                               | Any                                                                |
| Guide                                                           | Sliding guide                                                      |
| Structural design                                               | Guide                                                              |
| Position sensing                                                | For proximity sensor                                               |
| Symbol                                                          | 00991243                                                           |
| Operating pressure                                              | 0.12 MPa ... 0.8 MPa                                               |
| Operating pressure                                              | 1.2 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 class                                                 | Class 5 according to ISO 14644-1                                   |
| Ambient temperature                                             | -10 °C ... 80 °C                                                   |
| Impact energy in the end positions                              | 0.2 J                                                              |
| Max. payload as a function of the stroke at defined distance xs | 18.9 N                                                             |
| Theoretical force at 6 bar, retracting                          | 283 N                                                              |
| Theoretical force at 6 bar, advancing                           | 283 N                                                              |
| Moving mass                                                     | 428 g                                                              |
| Product weight                                                  | 995 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                                         |