


Twin cylinder DGTZ-GF-25-80-P-A

Part number: 8100644

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Stroke | 80 mm |
| Adjustable end position range/length | 10 mm |
| Piston diameter | 25 mm |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Guide | Sliding guide |
| Structural design | Guide |
| Position sensing | For proximity sensor |
| 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 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 | 0.3 J |
| Max. payload as a function of the stroke at defined distance xs | 9.1 N |
| Theoretical force at 6 bar, retracting | 454 N |
| Theoretical force at 6 bar, advancing | 590 N |
| Moving mass | 987 g |
| Product weight | 987 g |
| Pneumatic connection | G1/8 |
| 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 |