

# Twin-piston cylinder DPZC-16-100-P-A-GF

Part number: 194349

FESTO

With two parallel piston rods, for proximity sensing, with elastic cushioning rings in end positions.

These drives can be delivered on request with ATEX certification. The data on "ATEX identification", "ATEX ambient temperature" and "CE label" in the data sheet relate only to drives with certification.



## Data sheet

| Feature   | Value  |
|---|--|
| Centre of gravity distance from working load to yoke plate          | 0 mm   |
| Stroke  | 100 mm   |
| Adjustable end-position range/length                                | 15 mm  |
| Piston diameter   | 16 mm  |
| Operating mode of drive unit  | Yoke   |
| Cushioning  | P: Flexible cushioning rings/plates at both ends |
| Assembly position   | Any  |
| Guide   | Plain-bearing guide                              |
| Design structure  | Guide  |
| Position detection  | For proximity sensor                             |
| Operating pressure  | 1 ... 10 bar                                     |
| Max. speed  | 1 m/s  |
| Mode of operation   | double-acting                                    |
| ATEX category Gas   | II 2G  |
| Explosion ignition protection type Gas                              | c T4   |
| ATEX category Dust  | II 2D  |
| Explosion ignition protection type Dust                             | c 120°C  |
| Explosion-proof ambient temperature                                 | -5°C ≤ Ta ≤ +60°C                                |
| Operating medium  | Dried compressed air, lubricated or unlubricated |
| CE mark (see declaration of conformity)                             | to EU directive explosion protection (ATEX)      |
| Corrosion resistance classification CRC                             | 2  |
| Ambient temperature   | -5 ... 60 °C                                     |
| Impact energy in end positions                                      | 0.16 Nm  |
| Max. useful load as a function of the stroke at defined distance xs | 3.5 N  |
| Theoretical force at 6 bar, return stroke                           | 181 N  |
| Theoretical force at 6 bar, advance stroke                          | 241 N  |
| Moving mass   | 198 g  |
| Product weight  | 800 g  |
| alternative connections   | See product drawing                              |
| Pneumatic connection  | M5   |
| Materials note  | Free of copper and PTFE                          |
| Materials information for cover                                     | Wrought Aluminium alloy                          |
| Materials information for seals                                     | NBR  |
| Materials information, housing                                      | Wrought Aluminium alloy                          |
| Materials information for piston rod                                | High alloy steel, non-corrosive                  |