

# Twin cylinder DPZ-16-100-P-A

Part number: 32691

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                                         | Value                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| Distance of centre of gravity of payload to yoke plate xs       | 0 mm                                                               |
| 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                                                           | Sliding guide                                                      |
| Structural design                                               | Guide                                                              |
| Position sensing                                                | For proximity sensor                                               |
| Symbol                                                          | 00991249                                                           |
| Operating pressure                                              | 0.1 MPa ... 1 MPa                                                  |
| Operating pressure                                              | 1 bar ... 10 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)                                | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                                          | VDMA24364-B1/B2-L                                                  |
| Ambient temperature                                             | -20 °C ... 80 °C                                                   |
| Impact energy in the end positions                              | 0.15 J                                                             |
| Max. payload as a function of the stroke at defined distance xs | 8 N                                                                |
| Theoretical force at 6 bar, retracting                          | 180 N                                                              |
| Theoretical force at 6 bar, advancing                           | 242 N                                                              |
| Alternative connections                                         | See product drawing                                                |
| Pneumatic connection                                            | M5                                                                 |
| Cover material                                                  | Wrought aluminum alloy                                             |
| Seals material                                                  | NBR                                                                |
| Housing material                                                | Wrought aluminum alloy                                             |
| Piston rod material                                             | High-alloy stainless steel                                         |