

# Round cylinder DPRA-N-...-9/16"- -

Part number: 8180567

**FESTO**



## Data sheet

| Feature                                  | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stroke                                   | 0.0625 in...12 in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Piston diameter                          | 9/16"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Piston rod thread                        | 10-32 UNF-2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cushioning                               | No cushioning<br>Elastic cushioning rings/pads at both ends                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mounting position                        | Any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Structural design                        | Piston<br>Piston rod<br>Cylinder barrel                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Position sensing                         | Via proximity switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Variants                                 | End cap with swiveling rod eye and bearing sleeve<br>End cap with trunnion flange, rotated 90°<br>End cap with trunnion flange<br>Extended external thread piston rod<br>Extended piston rod<br>Bearing cap for direct mounting<br>Bearing cap with mounting thread<br>Bearing cap with trunnion flange<br>Axial supply port<br>Lateral supply port<br>With anti-twist protection<br>Through piston rod<br>Temperature range 0 to + 150°C<br>Temperature range -40 to 80°C<br>Piston rod at one end |
| Protection against torsion/guide         | Hexagonal piston rod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating pressure                       | 9.99 psi...150 psi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mode of operation                        | Double-acting<br>Pushing<br>Single-acting<br>Pulling                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Ambient temperature                      | -40 °F...300 °F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product weight                           | 0.1 lb...0.85 lb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Feature                     | Value                            |
|-----------------------------|----------------------------------|
| Type of mounting            | With locknut<br>With accessories |
| Pneumatic connection        | 10-32 UNF-2B                     |
| Note on materials           | RoHS compliant                   |
| Cover material              | Wrought aluminum alloy           |
| Seals material              | FPM<br>NBR                       |
| Piston rod material         | high-alloy stainless steel       |
| Material of cylinder barrel | high-alloy stainless steel       |