

# Hinge Cylinder DWA-63-75-Y-A - Festo 549569

Item no. FES-549569

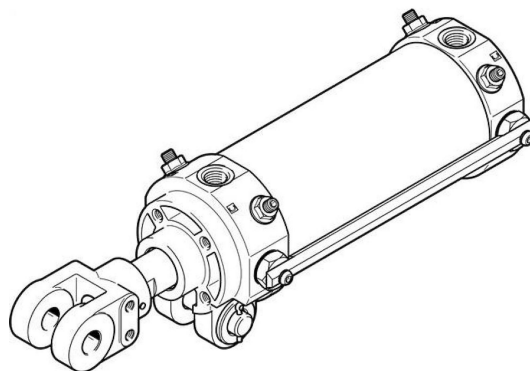
Manufacturer Festo

EAN 4052568190873

Festo pneumatic cylinder for precise linear motion and defined force in automation.

## TECHNICAL DATA

|                                |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|
| Betriebsdruck max [bar]        | 10.000000                                                                           |
| Bohrung (mm)                   | 63.000000                                                                           |
| Corrosion resistance class CRC | 0 - No corrosion stressing                                                          |
| Cushioning                     | PPV: Pneumatic dampening both sides adjustable                                      |
| Design                         | Kolben, Zylinderrohr, Kolbenstange mit Gabelkopf, Schwenkbefestigung am Lagerdeckel |
| Dichtmaterial                  | NBR                                                                                 |
| Funktion                       | doppeltwirkend                                                                      |
| HS-Code                        | 84123100                                                                            |
| Hub [mm]                       | 75.000000                                                                           |
| Medium                         | Druckluft                                                                           |
| Mounting position              | arbitrary                                                                           |
| Pneumatischer Anschluss        | Rc1/4                                                                               |
| Position sensing               | Yes                                                                                 |
| Serie                          | DWA                                                                                 |
| Temperature (max.)             | 60                                                                                  |
| Weight                         | 1.8 kg                                                                              |



## STANDARDS & COMPLIANCE

ISO 8573-1:2010

## DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

|                                               |                                                |
|-----------------------------------------------|------------------------------------------------|
| Stroke [mm]                                   | 75                                             |
| Piston diameter                               | 63 mm                                          |
| Piston rod thread                             | M16x1,5                                        |
| Abstand Gabelkopf zur Schwenkbefestigung [mm] | 16,0                                           |
| Dampening                                     | PPV: Pneumatic dampening both sides adjustable |
| installation position                         | arbitrary                                      |

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Page 1/2

|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Construction set up                            | Kolben<br>Zylinderrohr<br>Kolbenstange mit Gabelkopf<br>Schwenkbefestigung am Lagerdeckel |
| Geschwindigkeitsregelung                       | integrierte Drosseln beidseitig                                                           |
| Position detection                             | For proximity switch                                                                      |
| Piston rod end                                 | Außengewinde mit Gabelkopf                                                                |
| Operating pressure [bar]                       | 1 to 10                                                                                   |
| Principle of operation                         | double acting                                                                             |
| Operating medium                               | Compressed air to ISO 8573-1:2010 [7:4:4]                                                 |
| Information about operating and control medium | Oiled operation possible (required in further operations)                                 |
| Corrosion resistant class KBK                  | 0 - No corrosion stressing                                                                |
| ambient temperature [°C]                       | -10 to 60                                                                                 |
| Impact energy at the end positions [J]         | 1,3                                                                                       |
| Dampening length [mm]                          | 20                                                                                        |
| Theoretical force at 6 bar, Return flow [N]    | 1.682                                                                                     |
| Theoretical force at 6 bar, flow [N]           | 1.870                                                                                     |
| Moving mass at 0 mm stroke [g]                 | 741                                                                                       |
| Weight supplement per 10 mm stroke [g]         | 42                                                                                        |
| Base weight at 0 mm stroke [g]                 | 1.600                                                                                     |
| Supplement moved mass per 10 mm stroke [g]     | 25                                                                                        |
| Alternative connections                        | See product drawing                                                                       |
| Fastening type                                 | mit Zubehör<br>mit Schwenkbefestigung am Lagerdeckel                                      |
| Pneumatic connection                           | Rc1/4                                                                                     |
| Werkstoff Gabelkopf                            | Vergütungsstahl<br>Stahlguss                                                              |
| Material information                           | RoHs compliant                                                                            |
| Wiper material                                 | Bronze                                                                                    |
| Cover material                                 | Aluminium die casting<br>anodized                                                         |
| Seals material                                 | NBR                                                                                       |
| Piston rod material                            | Quenched and tempered steel<br>hard chromium plated                                       |
| Cylinder tube material                         | Aluminium wrought alloy<br>anodized                                                       |