

## Standards-Based Cyli DSBC-40-160-PPVA-N3 - Festo 1376662

Item no. FES-1376662

Manufacturer Festo

EAN 4052568016739

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

### TECHNICAL DATA

|                         |            |
|-------------------------|------------|
| Betriebsdruck max [bar] | 12.000000  |
| Bohrung (mm)            | 40.000000  |
| HS-Code                 | 84123100   |
| Hub [mm]                | 160.000000 |
| Pneumatischer Anschluss | G1/4       |
| Weight                  | 1.3 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]              | 160                                            |
| Piston diameter          | 40 mm                                          |
| Piston rod thread        | M12x1,25                                       |
| Dampening                | PPV: Pneumatic dampening both sides adjustable |
| installation position    | arbitrary                                      |
| Complies to standard     | ISO 15552                                      |
| Piston rod end           | Male thread                                    |
| Construction set up      | Piston<br>piston rod<br>profile tube           |
| Position detection       | For proximity switch                           |
| Variants                 | One-sided piston rod                           |
| Operating pressure [bar] | 0.6 to 12                                      |
| 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                  | 2 - moderate corrosion stress                             |
| ambient temperature [°C]                       | -20 to 80                                                 |
| Impact energy at the end positions [J]         | 0,7                                                       |
| Dampening length [mm]                          | 19                                                        |
| Theoretical force at 6 bar, Return flow [N]    | 633                                                       |
| Theoretical force at 6 bar, flow [N]           | 754                                                       |
| Moving mass at 0 mm stroke [g]                 | 205                                                       |
| Weight supplement per 10 mm stroke [g]         | 37                                                        |
| Base weight at 0 mm stroke [g]                 | 740                                                       |
| Supplement moved mass per 10 mm stroke [g]     | 16                                                        |
| Fastening type                                 | With female thread<br>With Accessories<br>Selectively:    |
| Pneumatic connection                           | G1/4                                                      |
| Material information                           | RoHs compliant                                            |
| Cover material                                 | Alu-Druckguss, beschichtet                                |
| Werkstoff Kolbendichtung                       | TPE-U(PU)                                                 |
| Piston material                                | Aluminium wrought alloy                                   |
| Piston rod material                            | High-alloyed steel                                        |
| Werkstoff Kolbenstangen-Dichtabstreifer        | TPE-U(PU)                                                 |
| Werkstoff Pufferdichtung                       | TPE-U(PU)                                                 |
| Werkstoff Pufferkolben                         | POM                                                       |
| Cylinder tube material                         | Aluminium-Knetlegierung, gleiteloxiert                    |
| Nut material                                   | Zinc plated steel                                         |
| Bearing material                               | POM                                                       |
| Flush screw material                           | Zinc plated steel                                         |