

## Standards-Based Cylind DSNU-12-40-P-A - Festo 19191

Item no. FES-19191

Manufacturer Festo

EAN 4052568003081

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

### TECHNICAL DATA

|                         |           |
|-------------------------|-----------|
| Betriebsdruck max [bar] | 10.000000 |
| Bohrung (mm)            | 12.000000 |
| HS-Code                 | 84123100  |
| Hub [mm]                | 40.000000 |
| Pneumatischer Anschluss | M5        |
| Weight                  | 0.09 kg   |



### STANDARDS & COMPLIANCE

ISO 6432 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]              | 40                                              |
| Piston diameter          | 12 mm                                           |
| Piston rod thread        | M6                                              |
| Dampening                | P: Elastic silencer rings / plates double-sided |
| installation position    | arbitrary                                       |
| Complies to standard     | CETOP RP 52 P<br>ISO 6432                       |
| Piston rod end           | Male thread                                     |
| Construction set up      | Piston<br>piston rod<br>cylinder tube           |
| Position detection       | For proximity switch                            |
| Variants                 | One-sided piston rod                            |
| Operating pressure [bar] | 1.5 to 10                                       |

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Principle of operation                         | double acting                                             |
| Maritime classification                        | see Certificate                                           |
| 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]         | 0,07                                                      |
| Theoretical force at 6 bar, Return flow [N]    | 50,9                                                      |
| Base weight at 0 mm stroke [g]                 | 75,0                                                      |
| Supplement moved mass per 10 mm stroke [g]     | 2                                                         |
| Fastening type                                 | With Accessories                                          |
| Pneumatic connection                           | M5                                                        |
| Material information                           | RoHs compliant                                            |
| Cover material                                 | Aluminium wrought alloy<br>No-colour anodised             |
| Seals material                                 | NBR<br>TPE-U(PU)                                          |
| Piston rod material                            | High-alloyed stainless steels                             |
| Cylinder tube material                         | High-alloyed stainless steels                             |
| Theoretical force at 6 bar, flow [N]           | 67,9                                                      |
| Moving mass at 0 mm stroke [g]                 | 18,5                                                      |
| Weight supplement per 10 mm stroke [g]         | 4,0                                                       |