

## Mini Slide SLF-16-50-P-A - Festo 170515

Item no. FES-170515

Manufacturer Festo

EAN 4052568139216

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

### TECHNICAL DATA

|                         |           |
|-------------------------|-----------|
| Betriebsdruck max [bar] | 10.000000 |
| Bohrung (mm)            | 16.000000 |
| HS-Code                 | 84123100  |
| Hub [mm]                | 50.000000 |
| Pneumatischer Anschluss | M5        |
| Weight                  | 0.42 kg   |
| Werkstoff               | Aluminium |



### 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]                              | 50                                                                |
| Alignable end position range/Length [mm] | 5                                                                 |
| Piston diameter                          | 16 mm                                                             |
| Operating mode actuator unit             | Joch                                                              |
| Dampening                                | P: Elastic silencer rings / plates double-sided                   |
| installation position                    | arbitrary                                                         |
| Guide                                    | Ball cage guide                                                   |
| Construction set up                      | Joch<br>Kolben<br>Kolbenstange<br>Schlitten<br>Kugel-Käfigführung |
| Position detection                       | For proximity switch                                              |
| 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]                       | -20 to 60                                                 |
| Impact energy at the end positions [J]         | 0,100                                                     |
| Max. force Fy [N]                              | 390                                                       |
| Max. force Fz [N]                              | 390                                                       |
| Max. torque Mx [Nm]                            | 3,1                                                       |
| Max. torque My [Nm]                            | 3,1                                                       |
| Max. torque Mz [Nm]                            | 1,4                                                       |
| Theoretical force at 6 bar, Return flow [N]    | 104                                                       |
| Theoretical force at 6 bar, flow [N]           | 121                                                       |
| Moving mass [g]                                | 153                                                       |
| Base weight at 0 mm stroke [g]                 | 407                                                       |
| Product weight [g]                             | 361                                                       |
| Alternative connections                        | See product drawing                                       |
| Fastening type                                 | With throughway bores                                     |
| Pneumatic connection                           | M5                                                        |
| Material information                           | Copper and PTFE-free                                      |
| Cover material                                 | Aluminium wrought alloy                                   |
| Seals material                                 | HNBR                                                      |
| Housing material                               | Aluminium wrought alloy                                   |
| Piston rod material                            | High-alloyed stainless steels                             |