

## Guided Drive DFM-10-10-P-A-GF - Festo 4154769

Item no. FES-4154769

Manufacturer Festo

EAN 4052568418052

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

### TECHNICAL DATA

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Betriebsdruck max [bar]        | 8.000000                                        |
| Bore (mm)                      | 10.000000                                       |
| Corrosion resistance class CRC | 1 - low corrosion stress                        |
| Cushioning                     | P: Elastic silencer rings / plates double-sided |
| Design                         | Guide                                           |
| Dichtmaterial                  | NBR                                             |
| Funktion                       | double-acting                                   |
| HS-Code                        | 84123100                                        |
| Hub [mm]                       | 10                                              |
| Material                       | Aluminium                                       |
| Medium                         | Compressed air                                  |
| Mounting position              | arbitrary                                       |
| Pneumatic connection           | M3                                              |
| Position sensing               | Yes                                             |
| Series                         | DFM                                             |
| Temperature (max.)             | 60                                              |
| Weight                         | 0.048 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.

|                                                       |                                                 |
|-------------------------------------------------------|-------------------------------------------------|
| Centre of mass distance of payload to Joch plate [mm] | 10                                              |
| Stroke [mm]                                           | 10                                              |
| Piston diameter                                       | 10 mm                                           |
| Operating mode actuator unit                          | Joch                                            |
| Dampening                                             | P: Elastic silencer rings / plates double-sided |
| installation position                                 | arbitrary                                       |
| Guide                                                 | sliding guide                                   |

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|-----------------------------------------------------------------------|-----------------------------------------------------------|
| Construction set up                                                   | Guide                                                     |
| Position detection                                                    | For proximity switch                                      |
| Operating pressure [bar]                                              | 1.5 to 8                                                  |
| Max. speed [m/s]                                                      | 1,7                                                       |
| 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                                         | 1 - low corrosion stress                                  |
| ambient temperature [°C]                                              | -10 to 60                                                 |
| Impact energy at the end positions [J]                                | 0,035                                                     |
| Max. permitted moment load Mx depending on stroke [Nm]                | 0,046                                                     |
| Max. usable load depending on the stroke at a defined distance xs [N] | 3,00                                                      |
| Theoretical force at 6 bar, Return flow [N]                           | 47                                                        |
| Theoretical force at 6 bar, flow [N]                                  | 68                                                        |
| Moving mass [g]                                                       | 13,0                                                      |
| Product weight [g]                                                    | 45,5                                                      |
| Pneumatic connection                                                  | M3                                                        |
| Material information                                                  | RoHs compliant                                            |
| Cover material                                                        | High-alloyed stainless steels                             |
| Seals material                                                        | NBR                                                       |
| Housing material                                                      | Aluminium wrought alloy, anodised                         |
| Piston rod material                                                   | High-alloyed stainless steels                             |
| Torsional play [deg]                                                  | 0,1                                                       |
| Dynamic seals material                                                | HNBR                                                      |
| End plate material                                                    | Aluminium wrought alloy, anodised                         |
| Werkstoff Führungsstange                                              | High-alloyed stainless steels                             |