

# Compact Cylinder ADVULQ-80-20-A-P-A - Festo 156828

Item no. FES-156828

Manufacturer Festo

EAN 4052568120818

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

## TECHNICAL DATA

|                         |           |
|-------------------------|-----------|
| Betriebsdruck max [bar] | 10.000000 |
| Bohrung (mm)            | 80.000000 |
| HS-Code                 | 84123100  |
| Hub [mm]                | 20.000000 |
| Pneumatischer Anschluss | G1/8      |
| Weight                  | 1.9 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]              | 20                                              |
| Piston diameter          | 80 mm                                           |
| Dampening                | P: Elastic silencer rings / plates double-sided |
| installation position    | arbitrary                                       |
| Principle of operation   | double acting                                   |
| Piston rod end           | Male thread                                     |
| Construction set up      | Piston<br>piston rod                            |
| Position detection       | For proximity switch                            |
| Variants                 | One-sided piston rod                            |
| Operating pressure [bar] | 0.6 to 10                                       |
| Operating medium         | Compressed air to ISO 8573-1:2010 [7:4:4]       |

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| 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]         | 0,75                                                      |
| Theoretical force at 6 bar, Return flow [N]    | 2.827                                                     |
| Theoretical force at 6 bar, flow [N]           | 3.016                                                     |
| Moving mass at 0 mm stroke [g]                 | 307                                                       |
| Weight supplement per 10 mm stroke [g]         | 168                                                       |
| Base weight at 0 mm stroke [g]                 | 1.772                                                     |
| Supplement moved mass per 10 mm stroke [g]     | 25                                                        |
| Fastening type                                 | With throughway bores<br>With Accessories<br>Selectively: |
| Pneumatic connection                           | G1/8                                                      |
| Flush screw material                           | Zinc plated steel                                         |
| Cover material                                 | Aluminium wrought alloy                                   |
| Dynamic seals material                         | NBR<br>TPE-U(PU)                                          |
| Piston rod material                            | High-alloyed steel                                        |
| Cylinder tube material                         | Aluminium wrought alloy                                   |
| Anti-twist lock / guide                        | Square piston rod                                         |