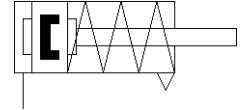
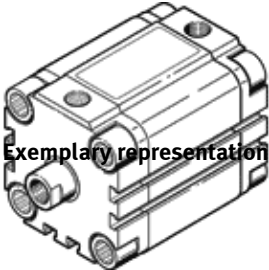


# compact cylinder AEVU-80- -P-A

Part number: 156228  
Classic - do not use for new projects

FESTO

For proximity sensing, piston-rod end with female thread.  
Modern alternatives can be found by entering the first four characters of the type code in the search field.



## Data sheet

| Feature   | Value   |
|---|---|
| Stroke  | 1 ... 25 mm   |
| Piston diameter                                       | 80 mm   |
| Cushioning  | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                                     | Any   |
| Mode of operation                                     | single-acting<br>pushing action   |
| Piston-rod end  | Female thread   |
| Design structure                                      | Piston<br>Piston rod  |
| Position detection                                    | For proximity sensor  |
| Variants  | Single-ended piston rod   |
| Operating pressure MPa                                | 0.06 ... 1 MPa  |
| Operating pressure                                    | 6 ... 10 bar<br>8.7 ... 145 psi   |
| Operating medium                                      | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium                    | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC               | 2 - Moderate corrosion stress   |
| PWIS conformity                                       | VDMA24364-B1/B2-L   |
| Ambient temperature                                   | -20 ... 80 °C   |
| Impact energy in end positions                        | 0.75 J  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 2,902 N   |
| Moving mass with 0 mm stroke                          | 307 g   |
| Additional mass factor per 10 mm of stroke            | 25 g  |
| Basic weight for 0 mm stroke                          | 1,772 g   |
| Additional weight per 10 mm stroke                    | 168 g   |
| Mounting type   | with through hole<br>with accessories<br>Optional                           |
| Pneumatic connection                                  | G1/8  |
| Material of flange screw                              | steel, galvanized   |
| Material cover  | Wrought Aluminium alloy   |
| Material of dynamic seals                             | NBR<br>TPE-U(PU)  |
| Material piston rod                                   | High alloy steel  |
| Material cylinder barrel                              | Wrought Aluminium alloy   |