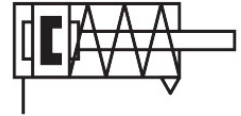


# Compact cylinder AEVU-80- -P-A

Part number: 156228

FESTO



General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                                      | Value                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                       | 1 mm ... 25 mm                                                                             |
| Piston diameter                                              | 80 mm                                                                                      |
| Piston rod thread                                            | M10                                                                                        |
| Cushioning                                                   | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                            | optional                                                                                   |
| Mode of operation                                            | Pushing<br>Single-acting                                                                   |
| Piston-rod end                                               | Female thread                                                                              |
| Design                                                       | Piston<br>Piston rod                                                                       |
| Position detection                                           | Via proximity switch                                                                       |
| Symbol                                                       | 00991729                                                                                   |
| Variants                                                     | Piston rod at one end                                                                      |
| Operating pressure                                           | 0.06 MPa ... 1 MPa                                                                         |
| Operating pressure                                           | 0.6 bar ... 10 bar                                                                         |
| Operating pressure                                           | 8.7 psi ... 145 psi                                                                        |
| Operating medium                                             | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L                                                                          |
| Ambient temperature                                          | -20 °C ... 80 °C                                                                           |
| Impact energy in end positions                               | 0.75 J                                                                                     |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 2902 N                                                                                     |
| Moving mass for 0 mm stroke                                  | 307 g                                                                                      |
| Additional moving mass per 10 mm stroke                      | 25 g                                                                                       |
| Basic weight for 0 mm stroke                                 | 1772 g                                                                                     |
| Additional weight per 10 mm stroke                           | 168 g                                                                                      |
| Type of mounting                                             | Either:<br>With through-hole<br>With accessories                                           |
| Pneumatic connection                                         | G1/8                                                                                       |
| Material collar screws                                       | Galvanised steel                                                                           |
| Material cover                                               | Wrought aluminium alloy                                                                    |
| Material dynamic seals                                       | NBR<br>TPE-U(PU)                                                                           |

| Feature                  | Value                   |
|--------------------------|-------------------------|
| Material piston rod      | High-alloy steel        |
| Material cylinder barrel | Wrought aluminium alloy |