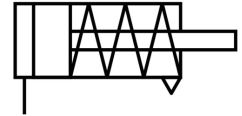


# Compact air cylinder AEN-S-6-5-A

Part number: 8080593

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 5 mm   |
| Piston diameter                          | 6 mm   |
| Cushioning                               | No cushioning  |
| Mounting position                        | Any  |
| Mode of operation                        | Pushing  |
| Piston rod end                           | External thread  |
| Structural design                        | Piston<br>Piston rod   |
| Symbol                                   | 00991200   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.25 MPa ... 0.8 MPa   |
| Operating pressure                       | 2.5 bar ... 8 bar  |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                   | VDMA24364-B2-L   |
| Ambient temperature                      | -10 °C ... 60 °C   |
| Impact energy in the end positions       | 0.006 J  |
| Theoretical force at 6 bar, retracting   | 4 N  |
| Theoretical force at 6 bar, advancing    | 13 N   |
| Moving mass                              | 1.5 g  |
| Product weight                           | 9.2 g  |
| Type of mounting                         | With through-hole  |
| Pneumatic connection                     | M3   |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Wrought aluminum alloy   |
| Material of dynamic seals                | NBR<br>TPE-U(PU)   |
| Housing material                         | Wrought aluminum alloy<br>Anodized                                 |
| Piston rod material                      | High-alloy stainless steel   |