

# Compact air cylinder ADN-20-30-A-PPS-A

Part number: 577170

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 30 mm  |
| Piston diameter                          | 20 mm  |
| Piston rod thread                        | M8   |
| Type code                                | ADN  |
| Cushioning                               | Self-adjusting pneumatic end-position cushioning                             |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 21287  |
| Piston rod end                           | External thread  |
| Position sensing                         | For proximity sensor   |
| Symbol                                   | 00991217   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 1.5 bar ... 10 bar   |
| Mode of operation                        | Double-acting  |
| 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  |
| Ambient temperature                      | -20 °C ... 80 °C   |
| Impact energy in the end positions       | 0.2 J  |
| Cushioning length                        | 3 mm   |
| Theoretical force at 6 bar, retracting   | 141 N  |
| Theoretical force at 6 bar, advancing    | 188 N  |
| Moving mass at 0 mm stroke               | 30 g   |
| Additional weight per 10 mm stroke       | 21 g   |
| Basic weight with 0 mm stroke            | 131 g  |
| Additional moving mass per 10 mm stroke  | 6 g  |
| Type of mounting                         | With accessories<br>Optionally:<br>With internal thread<br>With through-hole |
| Pneumatic connection                     | M5   |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Anodized<br>Aluminum   |
| Seals material                           | TPE-U(PUR)   |
| Piston rod material                      | High-alloy steel   |
| Material of cylinder barrel              | Wrought aluminum alloy<br>Smooth anodized                                    |