

# Compact cylinder ADN-63-35-A-P-A

Part number: 8178283

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 35 mm  |
| Piston diameter                          | 63 mm  |
| Piston rod thread                        | M12x1.25   |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 21287  |
| Piston rod end                           | External thread  |
| Position sensing                         | Via proximity switch   |
| Symbol                                   | 00991217   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.06 MPa ... 1 MPa   |
| Operating pressure                       | 0.6 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                                      |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L  |
| Ambient temperature                      | -20 °C ... 80 °C   |
| Impact energy in the end positions       | 1.3 J  |
| Theoretical force at 6 bar, retracting   | 1750 N   |
| Theoretical force at 6 bar, advancing    | 1870 N   |
| Moving mass                              | 279 g  |
| Product weight                           | 963 g  |
| Type of mounting                         | With through-hole<br>With internal thread<br>With accessories      |
| Pneumatic connection                     | G1/8   |
| Note on materials                        | RoHS compliant   |
| Flange screws material                   | Steel  |
| Cover material                           | Wrought aluminum alloy, anodized                                   |
| Seals material                           | TPE-U(PUR)   |
| Piston rod material                      | High-alloy steel   |
| Material of cylinder barrel              | Wrought aluminum alloy, smooth-anodized                            |