

# Compact cylinder ADN-50-80-I-PPS-A

Part number: 572690

FESTO



 [General operating condition](#)

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 80 mm  |
| Piston diameter  | 50 mm  |
| Piston rod thread  | M10  |
| Cushioning   | Self-adjusting pneumatic end-position cushioning   |
| Mounting position  | optional   |
| Conforms to standard   | ISO 21287  |
| Piston-rod end   | Female thread  |
| Position detection   | Via proximity switch   |
| Symbol   | 00992970   |
| Variants   | Piston rod at one end  |
| Operating pressure   | 0.1 MPa ... 1 MPa  |
| Operating pressure   | 1 bar ... 10 bar   |
| Mode of operation  | Double-acting  |
| 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                               | 2.8 J  |
| Cushioning length  | 6 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 1057 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178 N   |
| Moving mass  | 266 g  |
| Product weight   | 915 g  |
| Type of mounting   | With through-hole<br>Via female thread<br>With accessories                                 |
| Pneumatic connection   | G1/8   |
| Note on materials  | RoHS-compliant   |
| Material collar screws                                       | Steel  |
| Material cover   | Anodised wrought aluminium alloy   |
| Material seals   | TPE-U(PUR)   |
| Material piston rod  | High-alloy steel   |
| Material cylinder barrel                                     | Smooth-anodised wrought aluminium alloy  |