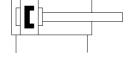
## standards-based cylinder DSNU-12-30-P-A Part number: 1908257

★ Core product range

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With elastic cushioning rings in the end positions.







## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 30 mm  |
| Piston diameter  | 12 mm  |
| Piston rod thread  | M6   |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                 |
| Assembly position  | Any  |
| Conforms to standard                                     | CETOP RP 52 P  |
|  | ISO 6432   |
| Piston-rod end   | Male thread  |
| Design structure   | Piston   |
|  | Piston rod   |
|  | Cylinder barrel  |
| Position detection                                       | For proximity sensor   |
| Variants   | Single-ended piston rod  |
| Operating pressure MPa                                   | 0.15 1 MPa   |
| Operating pressure                                       | 1.5 10 bar   |
| Mode of operation  | double-acting  |
| Operating medium   | Compressed air in accordance with ISO8573-1:2010 [7:4:4]         |
| Note on operating and pilot medium                       | Lubricated operation possible (subsequently required for further |
|  | operation)   |
| Corrosion resistance classification CRC                  | 2 - Moderate corrosion stress                                    |
| PWIS conformity  | VDMA24364-B1/B2-L  |
| Cleanroom class  | ISO class 6  |
| Ambient temperature                                      | -20 80 °C  |
| Impact energy in end positions                           | 0.07 J   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 50.9 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 67.9 N   |
| Moving mass with 0 mm stroke                             | 18.5 g   |
| Additional mass factor per 10 mm of stroke               | 2 g  |
| Basic weight for 0 mm stroke                             | 75 g   |
| Additional weight per 10 mm stroke                       | 4 g  |
| Mounting type  | with accessories   |
| Pneumatic connection                                     | M5   |
| Materials note   | Conforms to RoHS   |
| Material cover   | Wrought Aluminium alloy  |
|  | neutral anodisation  |
| Material seals   | NBR  |
|  | TPE-U(PU)  |
| Material piston rod                                      | High alloy steel, non-corrosive                                  |
| Material cylinder barrel                                 | High alloy steel, non-corrosive                                  |