

# Double DNGU-40-50PPV-A-CT

Part number: 166100

FESTO



## Datasheet

| Feature                                | Value                           |
|--|---------------------------------|
| Mode of operation                      | Double acting                   |
| Type of mounting                       | Screw                           |
| Form, external                         | Profile                         |
| Form piston                            | Round                           |
| Form piston rod                        | Round                           |
| In accordance with standard ISO        | ISO 6431                        |
| In accordance with standard VDMA       | VDMA 24562                      |
| Sensing type                           | Magnetic                        |
| Type of cushioning                     | Adjustable pneumatic cushioning |
| Cushioning length                      | 21 mm                           |
| Protection against torsion             | None                            |
| Piston, nominal size                   | 40 mm                           |
| Stroke                                 | 50 mm                           |
| Piston rod diameter                    | 16 mm                           |
| Thread type (piston rod) (KK)          | M                               |
| Thread diameter (metric)               | 12 mm                           |
| Pitch                                  | 1,25 mm                         |
| Thread length (piston rod)             | 24 mm                           |
| Overall length                         | 213 mm                          |
| Operating pressure min.                | 0,6 bar                         |
| Operating pressure max.                | 12 bar                          |
| Minimum ambient temperature            | -20 Cel                         |
| Maximum ambient temperature            | 80 Cel                          |
| Connection type bearing cap (EE)       | Thread                          |
| Thread type (bearing cap)              | G                               |
| Thread diameter (inch)                 | 1/4 inch                        |
| Silicone status                        | Free                            |
| CT criterion                           | CT-free                         |
| Connection type cover cap              | Thread                          |
| Thread type (cover cap)                | G                               |
| Thread diameter (inch)                 | 1/4 inch                        |
| Effective force (theor.) at 6 bar, adv | .754 N                          |
| Effect. force (theor.) at 6 bar, retur | n633 N                          |

| <b>Feature</b>                    | <b>Value</b> |
|-----------------------------------|--------------|
| Lateral force                     | 165 N        |
| Bending load                      | 1700 N       |
| Air consumption at 6 bar, advance | 0,44 l/←→    |
| Air consumption at 6 bar, return  | 0,37 l/←→    |