

Part number: 1722457  
Order code 1: DSBC-125-50-T-PPSA-N3  
Order-ID: C398248

## Technical data

| Feature name                                             | Value                                                                                                             |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Stroke                                                   | 50 mm                                                                                                             |
| Piston diameter                                          | 125 mm 125 mm                                                                                                     |
| Piston rod thread                                        | M27X2                                                                                                             |
| Short type code                                          | DSBC                                                                                                              |
| Cushioning                                               | Self-adjusting pneumatic end-position cushioning                                                                  |
| Mounting position                                        | Any                                                                                                               |
| Conforms to standard                                     | ISO 15552                                                                                                         |
| Piston rod end                                           | External Thread                                                                                                   |
| Design                                                   | Piston<br>Piston rod<br>Profile barrel                                                                            |
| Position detection                                       | für Näherungsschalter For proximity switch                                                                        |
| Variants                                                 | Through piston rod                                                                                                |
| Ambient temperature                                      | -20...80 °C                                                                                                       |
| Impact energy in the end positions                       | 3.3 J                                                                                                             |
| Operating mode                                           | Double-acting                                                                                                     |
| Operating medium                                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                     |
| Note on operating/pilot medium                           | Lubricated operation possible (required for further use)                                                          |
| Corrosion resistance class KBK                           | Moderate corrosion stress - 2                                                                                     |
| LABS (PWIS) conformity                                   | VDMA24364-B1/B2-L                                                                                                 |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 6881 N                                                                                                            |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advancing  | 7363 N                                                                                                            |
| Product weight                                           | 8520 g                                                                                                            |
| Moving mass                                              | 3714 g                                                                                                            |
| Type of mounting                                         | Alternatively:<br>With internal thread<br>"With accessories" means indirect mounting via an intermediate element. |
| Pneumatic connection                                     | G1/2                                                                                                              |
| Note on materials                                        | RoHS-compliant                                                                                                    |
| Cover material                                           | Die-cast aluminum, coated                                                                                         |
| Piston seal material                                     | TPE-U(PU)                                                                                                         |
| Piston material                                          | Wrought aluminum alloy                                                                                            |
| Piston rod material                                      | High-alloy steel                                                                                                  |
| Piston rod wiper seal material                           | TPE-U(PU)                                                                                                         |
| Buffer seal material                                     | TPE-U(PU)                                                                                                         |
| Cushioning boss material                                 | POM                                                                                                               |
| Cylinder barrel material                                 | Wrought aluminum alloy, smooth-anodized                                                                           |
| Nut material                                             | Steel, galvanized                                                                                                 |
| Bearing material                                         | POM                                                                                                               |
| Flange screws material                                   | Steel, galvanized                                                                                                 |
| Protective bellows material                              | NBR                                                                                                               |