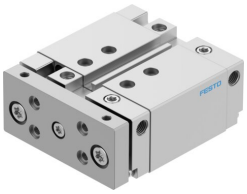
# Guided drive
# DFM-25-25-B-PPV-A-GF

Part number: 8161421



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 25 mm |
| Piston diameter | 25 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Guide | Plain-bearing guide |
| Design | Guidance |
| Position detection | Via proximity switch |
| Operating pressure | 0.15 MPa...1 MPa<br>1.5 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 |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in end positions | 0.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 247 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N |
| alternative connections | See product drawing |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | NBR |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |