

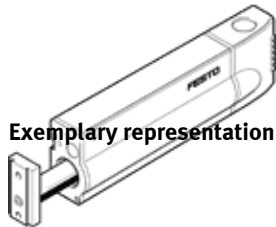
linear module

HMP-25- -B-

Part number: 537942
Product to be discontinued

FESTO

Type to be discontinued. Available until 2018. See Support Portal for alternative products.



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| Stroke | 100 ... 400 mm |
| Piston diameter | 25 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | YSRW: Shock absorber, soft characteristic curve |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Guide Yoke kinematics Piston Piston rod |
| Max. number of intermediate positions | 1 |
| Position detection | For proximity sensor |
| Shock absorber type | YSRW-12-20 |
| Variants | clamping unit on piston rod Pulling |
| Operating pressure | 4 ... 8 bar |
| Max. speed, advancing | ≤ 1.1 m/s |
| Max. speed, retracting | ≤ 1.1 m/s |
| Max. travel time | ≤ 1,000 ms |
| Repetition accuracy | ±0,01 mm 0.01 mm |
| 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 |
| Sound pressure level | 68 dB(A) |
| Protection class | IP40 |
| Ambient temperature | 0 ... 60 °C |
| Cushioning length | 20 mm |
| Theoretical force at 6 bar, return stroke | 247 N |
| Theoretical force at 6 bar, advance stroke | 295 N |
| Lubrication interval for guide components | 5,000 km |
| Service interval, shock absorber | 10 Mio SP |
| Moving mass with 0 mm stroke | 2,300 g |
| Additional weight per 10 mm stroke | 150 g |
| Basic weight for 0 mm stroke | 6,300 g |
| Additional mass factor per 10 mm of stroke | 55 g |
| alternative connections | See product drawing |
| Mounting type | Optional |
| Pneumatic connection | PK-4 |

| Feature | Value |
|-----------------------------------|--------------------------------|
| | PK-6 |
| Materials note | Free of copper and PTFE |
| Materials information for cover | Aluminium Anodised |
| Materials information for seals | NBR PUR |
| Material information, front plate | Aluminium Anodised |
| Material information, guide tube | Roller bearing steel coated |
| Materials information, housing | Aluminium Anodised |