

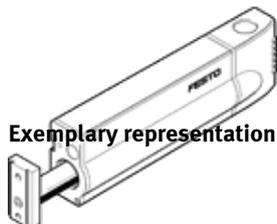
linear module

HMP-20- -B-

Part number: 537941
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	50 ... 400 mm
Piston diameter	20 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	$\leq 1,000$ ms
Repetition accuracy	$\pm 0,01$ 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	65 dB(A)
Protection class	IP40
Ambient temperature	0 ... 60 °C
Cushioning length	20 mm
Theoretical force at 6 bar, return stroke	158 N
Theoretical force at 6 bar, advance stroke	188 N
Lubrication interval for guide components	5,000 km
Service interval, shock absorber	10 Mio SP
Moving mass with 0 mm stroke	1,500 g
Additional weight per 10 mm stroke	110 g
Basic weight for 0 mm stroke	4,700 g
Additional mass factor per 10 mm of stroke	37 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