

linear drive

DLP-100- -A

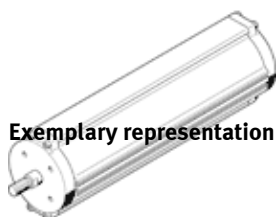
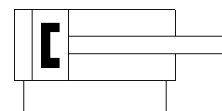
Part number: 187480
Product to be discontinued

FESTO

double-acting, piston diameter 100 mm, mounting interfaces for process valve fittings to DIN EN ISO 5210 on bearing cap, VDI/VDE 3845 interface for direct mounting of solenoid valves.

Other strokes upon request. For use in process engineering, especially well suited for slide valves.

Type to be discontinued. Available until 2024. See Support Portal for alternative products.



Exemplary representation

Data sheet

Feature	Value
Size of actuator	100
Stroke	40 ... 600 mm
Stroke reserve	2 mm
Piston diameter	100 mm
Based on the standard	DIN 3358 VDI/VDE 3845 (NAMUR)
Cushioning	No cushioning
Assembly position	Any
Mode of operation	double-acting
Position detection	For proximity sensor
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Operating pressure MPa	0.2 ... 0.8 MPa
Operating pressure	2 ... 8 bar 29 ... 116 psi
Nominal operating pressure	0.6 MPa 6 bar
Nominal operating pressure (psi)	87 psi
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T120°C Db
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
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	3 - High corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-20 ... 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4,524 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	4,712 N
Efficiency of actuator	95 %
Moving mass with 0 mm stroke	997 g
Additional mass factor per 10 mm of stroke	25 g
Basic weight for 0 mm stroke	2,801 g
Additional weight per 10 mm stroke	80 g
Pneumatic connection	G1/4
Material cover	Wrought Aluminium alloy

Feature	Value
Material seals	NBR TPE-U(PU)
Material housing	Wrought Aluminium alloy Smooth anodised
Material piston rod	High alloy steel, non-corrosive