

Mini Slide DGSL-16-50-Y3A - Festo 544001

Item no. FES-544001

Manufacturer Festo

EAN 4052568183448

Festo pneumatic cylinder for precise linear motion and defined force in automation.

TECHNICAL DATA

Betriebsdruck max [bar]	8.000000
Bore (mm)	20.000000
Corrosion resistance class CRC	0 - No corrosion stressing
Cushioning	Y3: Shock absorber, progressive double-sided
Design	Yoke, piston, piston rod, carriage
Function	double-acting
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Operating conditions	ISO 8573-1
Pneumatic connection	M5
Position sensing	Yes
Seal material	HNBR
Series	DGSL
Stroke [mm]	50
Temperature (max.)	60
Weight	1.3 kg
Zolltarifnummer	84123100



STANDARDS & COMPLIANCE

ISO 8573-1:2010

DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

Stroke [mm]	50
Alignable end position range / Length front [mm]	36,5
Alignable end position range / Length rear [mm]	38,5
Piston diameter	20 mm
Operating mode actuator unit	Joch

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Dampening	Y3: Shock absorber, progressive double-sided
installation position	arbitrary
Guide	Ball cage guide
Construction set up	Joch Kolben Kolbenstange Schlitten
Position detection	For proximity switch
Operating pressure [bar]	1 to 8
Max. speed [m/s]	0,8
Repeatability	±0.01 mm
Principle of operation	double acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Corrosion resistant class KBK	0 - No corrosion stressing
ambient temperature [°C]	0 to 60
Impact energy at the end positions [J]	4,000
Dampening length [mm]	14,0
Max. force Fy [N]	2.780
Max. force Fz [N]	2.780
Max. torque Mx [Nm]	40
Max. torque My [Nm]	25,0
Max. torque Mz [Nm]	25,0
Theoretical force at 6 bar, Return flow [N]	158
Theoretical force at 6 bar, flow [N]	188
Moving mass [g]	519
Product weight [g]	1.211
Alternative connections	See product drawing
Fastening type	With throughway bores
Pneumatic connection	M5
Material information	Copper and PTFE-free RoHs compliant
Cover material	Aluminium wrought alloy
Seals material	HNBR
Housing material	Aluminium wrought alloy
Piston rod material	High-alloyed stainless steels