Mini Slide DGST-10-10-PA - Festo 8085116

Item no. FES-8085116 | **Manufacturer Festo** | **EAN 4052568450045**

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

TECHNICAL DATA

Betriebsdruck max [bar]	**8.000000**
Bohrung (mm)	**10.000000**
Corrosion resistance class CRC	**1 - low corrosion stress**
Cushioning	**P: Elastic silencer rings / plates double-sided**
Design	**Doppelkolben, Joch, Kolbenstange, Schlitten**
Dichtmaterial	**HNBR**
Funktion	**doppeltwirkend**
HS-Code	**84123100**
Hub [mm]	**10.000000**
Medium	**Druckluft**
Mounting position	**arbitrary**
Pneumatischer Anschluss	**M5**
Position sensing	**Yes**
Serie	**DGST**
Temperature (max.)	**60**
Weight	**0.27 kg**
Werkstoff	**Aluminium**

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]	10
Piston diameter	10 mm
Operating mode actuator unit	Joch
Dampening	P: Elastic silencer rings / plates double-sided
installation position	arbitrary
Guide	ball guide
Construction set up	Doppelkolben Joch Kolbenstange Schlitten

Position detection	For proximity switch
Operating pressure [bar]	1 to 8
Max. speed [m/s]	0,8
Repeatability	<= 0,3 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	1 - low corrosion stress
ambient temperature [°C]	-10 to 60
Impact energy at the end positions [J]	0,080
Dampening length [mm]	1,5
Max. force Fy [N]	470
Max. force Fz [N]	470
Max. torque Mx [Nm]	3,0
Max. torque My [Nm]	3,0
Max. torque Mz [Nm]	3,0
Theoretical force at 6 bar, Return flow [N]	79
Theoretical force at 6 bar, flow [N]	94
Moving mass [g]	135,7
Product weight [g]	270,4
Fastening type	With throughway bores
Pneumatic connection	M5
Material information	Copper and PTFE-free RoHs compliant
Cover material	Aluminium wrought alloy
Seals material	HNBR
Werkstoff Führung	POM TPE-E hochlegierter Stahl
Housing material	Aluminium wrought alloy
Piston rod material	High-alloyed stainless steels
Alignable end position range / Length front [mm]	15,6
Alignable end position range / Length rear [mm]	15,8