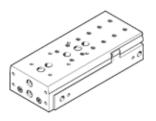
mini slide DGST-16-100-Y12A Part number: 8085180 ★ Core product range







Data sheet

Feature	Value
Stroke	100 mm
Adjustable endposition range/front length	16.9 mm
Adjustable endposition range/rear length	15.5 mm
Piston diameter	16 mm
Operating mode of drive unit	Yoke
Cushioning	Y12: external hydraulic cushioning
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	twin piston
	Yoke
	Piston rod
	Slide
Position detection	For proximity sensor
Operating pressure MPa	0.1 0.8 MPa
Operating pressure	1 8 bar
	14.5 116 psi
Max. speed	0.8 m/s
Repetition accuracy	<= 0,02 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	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 60 °C
Impact energy in end positions	2)
Cushioning length	5 mm
Max. force Fy	940 N
Max. force Fz	940 N
Max. torque Mx	12 Nm
Max. torque My	10 Nm
Max. torque Mz	10 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	207 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	241 N
Moving mass	548 g
Product weight	1,126 g
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material cover Material seals	HNBR
Material of guide	POM
_	High alloy steel
	TPE-E
	Wrought Aluminium alloy
Material housing	<u> </u>
Material piston rod	High alloy steel, non-corrosive