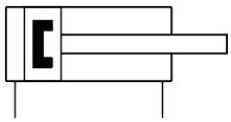
Feed separator
HPVS-10-10-A

Part number: 2095359





Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	10 mm
Max. interchangeability	0.3 mm
Max. tappet play Sx	0.05 mm
Max. tappet play Sz	0.03 mm
Max. gripper jaw angular backlash	0.12 deg
Max. gripper jaw angular backlash ay	0.2 deg
Max. gripper jaw angular backlash az	0.262 deg
External finger mounting	Through-hole
Cushioning	No cushioning
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston rod Anti-twist feature
Position sensing	Via proximity switch
Protection against torsion/guide	Rectangular guide
Minimum product distance due to proximity switches	30 mm...50 mm
Proximity switch protrusion	14 mm...22 mm
Operating pressure	3 bar...8 bar
Advancing time	30 ms...60 ms
Retracting time	30 ms...60 ms
Repetition accuracy	0.05 mm
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Degree of protection	IP40
Ambient temperature	5 °C...60 °C
Max. tightening torque	1.2 Nm for M3 2.9 Nm for M4
Max. force on finger Fz static	75 N
Max. static moment Mr at finger	3 Nm

Feature	Value
Max. static moment Mx at finger	3 Nm
Max. static moment at finger	3 Nm
Theoretical force at 6 bar, retracting	35 N
Theoretical force at 6 bar, advancing	45 N
Product weight	90 g
Max. mass per external gripper finger	56 g
Alternative connections	M3
Type of mounting	with through-hole for M3 screw and centering sleeve with internal thread M4 and centering sleeve
Pneumatic connection	M5
Note on materials	RoHS compliant
Material of end caps	High-alloy steel
Seals material	NBR
Housing material	Wrought aluminum alloy COMPCOTE-coated
Piston rod material	High-alloy steel
Plunger material	High-alloy steel