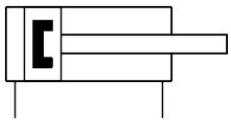
Feed separator
HPVS-10-10-A

Part number: 2095359



General operating condition

Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	10 mm
Max. replacement accuracy	0.3 mm
Max. stem backlash Sx	0.05 mm
Max. stem backlash Sz	0.03 mm
Max. angular gripper jaw backlash ax	0.12 deg
Max. angular gripper jaw backlash ay	0.2 deg
Max. angular gripper jaw backlash az	0.262 deg
Mounting of external fingers	Through-hole
Cushioning	No cushioning
Mounting position	optional
Mode of operation	Double-acting
Design	Piston rod Non-rotating
Position detection	Via proximity switch
Symbol	00991216
Protection against torque/guide	Square 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
Advance time	30 ms ... 60 ms
Return-stroke time	30 ms ... 60 ms
Repetition accuracy	0.05 mm
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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. torque Mr at finger, static	3 Nm
Max. torque at finger Mx static	3 Nm
Max. torque at finger My static	3 Nm

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	35 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	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 centring sleeve With female thread M4 and centring sleeve
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	High-alloy steel
Material seals	NBR
Material housing	Smooth-anodised wrought aluminium alloy
Material piston rod	High-alloy steel
Plunger material	High-alloy steel
Material gate valve	Case-hardened steel