

Angle gripper DHWC-6-A

Part number: 8125286

FESTO



 General operating condition

Data sheet

Feature	Value
Size	6
Max. replacement accuracy	≤0.2 mm
Max. opening angle	30 deg
Repetition accuracy, gripper	≤0.1 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Angle
Gripper force back-up	None
Design	Force pilot operated motion sequence
Position detection	Via proximity switch
Symbol	00991894
Operating pressure	0.25 MPa ... 0.8 MPa
Operating pressure	2.5 bar ... 8 bar
Operating pressure	36.25 psi ... 116 psi
Max. operating frequency of gripper	≤3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	4 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	7 ms
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	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-10 °C ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	7.3 Ncm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	5.4 Ncm
Mass moment of inertia	0.009 kgcm ²
Max. force on gripper jaw Fz static	18 N
Max. torque at gripper Mx static	0.3 Nm
Max. torque at gripper My static	0.3 Nm
Max. torque at gripper Mz static	0.3 Nm
Product weight	22 g
Type of mounting	Either: Direct mounting via through-hole Direct mounting via thread

Feature	Value
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	Wrought aluminium alloy, anodised
Material housing	Anodised wrought aluminium alloy
Material gripper jaws	High-alloy steel