

# Angle gripper DHWC-20-A

Part number: 8128701

FESTO



 General operating condition

## Data sheet

Feature	Value
Size	20
Max. interchangeability	≤0.2 mm
Max. opening angle	30 deg
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.1 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Angle
Gripping force backup	Without
Structural design	Connection direction at side Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00991894
Operating pressure	0.1 MPa ... 0.8 MPa
Operating pressure	1 bar ... 8 bar
Operating pressure	14.5 psi ... 116 psi
Max. operating frequency of pneumatic gripper	≤2 Hz
Min. opening time at 6 bar	6 ms
Min. closing time at 6 bar	16 ms
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)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Ambient temperature	-10 °C ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	173.5 Ncm
Total gripping torque at 6 bar, closing	142.9 Ncm
Mass moment of inertia	0.253 kgcm <sup>2</sup>
Maximum force on gripper jaw Fz, static	100 N
Maximum torque on gripper jaw, Mx static	1.5 Nm
Maximum torque on gripper jaw, My static	2.2 Nm
Maximum torque on gripper jaw, Mz static	2.2 Nm
Product weight	189.3 g

Feature	Value
Type of mounting	Optionally: Direct mounting via through-hole Direct fastening via thread With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover cap material	Wrought aluminum alloy, anodized
Housing material	Wrought aluminum alloy, anodized
Gripper jaw material	High-alloy steel