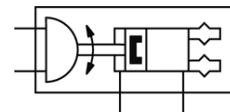
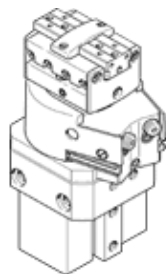


Swivel/gripper unit HGDS-PP-12-P-A

Part number: 534278

FESTO

With flexible cushioning



Data sheet

| Feature | Value |
|--|---|
| Max. force on gripper jaw Fz static | 20 N |
| Mode of operation | double-acting |
| Total force at 6 bar, closing | 52 N |
| Total force at 6 bar, opening | 58 N |
| Fine adjustment of swivel drive | -6 deg |
| Max. angular gripper jaw backlash ax,ay | 0 deg |
| Max. gripper jaw backlash Sz | 0 mm |
| Min. closing time at 6 bar | 30 ms |
| Min. opening time at 6 bar | 20 ms |
| Max. torque at gripper Mz static | 1.5 Nm |
| Max. torque at gripper Mx static | 1.5 Nm |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Stroke per gripper jaw | 2.5 mm |
| Max. swivel frequency at 6 bar | 2 Hz |
| Torque at 6 bar | 0.85 Nm |
| Product weight | 465 g |
| Working pressure | 3 ... 8 bar |
| Swivel angle | 210 deg |
| Rotation angle adjustment range | 0 ... 210 deg |
| Number of gripper fingers | 2 |
| Ambient temperature | 5 ... 60 °C |
| Max. torque at gripper My static | 1.5 Nm |
| Gripping force per gripper jaw at 6 bar, closing | 26 N |
| Gripping force per gripper jaw at 6 bar, opening | 29 N |
| Gripper function | Parallel |
| Corrosion resistance classification CRC | 2 |
| Materials information for drive shaft | Steel |
| Assembly position | Any |
| Position detection, swivel actuator | with proximity sensor |
| Position detection, gripper | with proximity sensor |
| Materials information for cover | Aluminum |
| Materials information, housing | Wrought Aluminum alloy |
| Materials note | Contains PWIS substances |
| Mounting type | Internal thread and centering sleeve |
| Materials information for gripper jaws | Wrought Aluminum alloy |
| Materials information for seals | NBR |
| Cushioning of swivel actuator | P: Flexible cushioning rings/plates at both ends |
| Materials information for cover | POM |
| Size | 12 |
| Mounting type | With through-hole and centering sleeve |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Mounting type | With dovetail slot Optional |
| Design structure | Swivel actuator |
| Pneumatic connection | M5 |
| Design structure | With parallel gripper and gripper actuator |