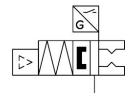
Parallel grippers HPPH-16-16-NC-P-R12 Part number: 8171874







General operating condition

Data sheet

Feature	Value
Size	16
Complete stroke	16 mm
Stroke per gripper jaw	8 mm
Max. gripper jaw angular play ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Pneumatic gripper repetition accuracy	≤0.06 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting Double-acting
Cushioning	At one end Not adjustable
Gripper function	Parallel
Gripping force backup	During closing
Structural design	with gripper finger Pneumatic gripper Positively driven motion sequence
Guide	Ball guide
Position sensing	With integrated linear potentiometer
Symbol	00997553
Switching status indication	LED blue, switching status via signal input
Operating pressure	0.25 MPa 0.7 MPa
Operating pressure	2.5 bar 7 bar
Operating pressure	36.25 psi 101.5 psi
HRC operating pressure	0.25 MPa 0.5 MPa
HRC operating pressure	2.5 bar 5 bar
HRC operating pressure	36.25 psi 72.5 psi
Max. operating frequency of pneumatic gripper	1 Hz
Min. opening time at 6 bar	180 ms
Min. closing time at 6 bar	90 ms
Max. mass per external gripper finger	100 g
Max. current consumption	100 mA
Nominal operating voltage DC	24 V
Switching output	PNP
Switching input	PNP

Value
+/- 10 %
RCM compliance mark
As per EU EMC directive
As per EU RoHS directive
To UK instructions for EMC To UK RoHS instructions
TÜV Süd M70132770525.01
Compressed air as per ISO 8573-1:2010 [7:4:4]
Operation with oil lubrication possible (required for further use)
Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
1 - Low corrosion stress
VDMA24364 zone III
Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
0 - 90 % Non-condensing
≤75 dB(A)
IP40
-5 °C 50 °C
278 N 302 N
139 N 151 N
232 N 256 N
116 N 128 N
dependent on stroke with integrated compression spring
23.3 N 34.9 N
0.6 kgcm ²
176 N
2.8 Nm
1.4 Nm
1.4 Nm
>26 mm
>52 mm
Life-time lubrication
680 g
1 kg
Field device end
Cable with plug
Angled
Round
M8x1 A-coded as per EN 61076-2-104
8
6
00997560
0.2 Nm
0.2 Nm as per ISO 9409
as per ISO 9409 For plug connection outside diameter 4 mm
as per ISO 9409 For plug connection outside diameter 4 mm RoHS-compliant
as per ISO 9409 For plug connection outside diameter 4 mm RoHS-compliant PA-reinforced
as per ISO 9409 For plug connection outside diameter 4 mm RoHS-compliant PA-reinforced High-alloy stainless steel
as per ISO 9409 For plug connection outside diameter 4 mm RoHS-compliant PA-reinforced High-alloy stainless steel Wrought aluminum alloy, anodized
as per ISO 9409 For plug connection outside diameter 4 mm RoHS-compliant PA-reinforced High-alloy stainless steel
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Feature	Value
9	HNBR NBR
	Steel, galvanized High-alloy steel
Gear wheel material	High-alloy steel
Gripper finger material	Wrought aluminum alloy, anodized