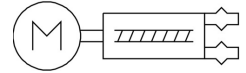


Parallel gripper EHPS-16-A-RA1

Part number: 8119111

FESTO



Data sheet

Feature	Value
Size	25
KC characters	KC EMC
Certification	RCM compliance mark
Permissible voltage fluctuations	+/- 10 %
Max. current consumption	2000 mA
Max. cycle rate	0.8 Hz
Conforms to standard	IEC 61010-1
Accessories included	1x adapter plate 1x Velcro® roll 1x position transmitter 1x USB memory stick with URCap 2x connecting cable
Robot connection	Universal robots UR3/5/10 (PolyScope CB 3.6.0 and later) Universal robots UR3e/5e/10e (PolyScope software version 5.0.0 and later)
Stroke per gripper jaw	16 mm
Max. interchangeability	≤0.2 mm
Max. gripper jaw angular play ax, ay	0.3 deg
Max. gripper jaw backlash Sz	0.04 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.01 mm
Type code	EHPS
Number of gripper jaws	2
Gripper function	Parallel
Design	Worm gear T-shape Gear rack/pinion Electric gripper
Guide	Sliding guide
Position sensing	For proximity sensor
Symbol	00992258
Motor type	DC servo motor
Control elements	Latching switch
Ready status indication	LED
Nominal operating voltage DC	24 V
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
Corrosion resistance class (CRC)	1 - Low corrosion stress

Feature	Value
Noise level	≤70 dB(A)
Degree of protection	IP40
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	5.27 kgcm ²
Maximum force on gripper jaw Fz, static	450 N
Maximum torque on gripper jaw, Mx static	28 Nm
Maximum torque on gripper jaw, My static	16 Nm
Maximum torque on gripper jaw, Mz static	28 Nm
Relubrication interval for guidance elements	2 MioCyc
Max. mass per external gripper finger	230 g
Product weight	1000 g
Electrical connection	5-pin Cable with plug M12x1
Type of mounting	Optionally: With internal thread and centering sleeve Via through-hole and centering sleeve
Note on materials	RoHS-compliant
Housing material	Aluminum, anodized
Gripper jaw material	High-alloy stainless steel