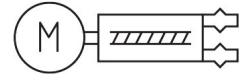


Parallel gripper kit for robots EHPS-20-A-RA50

Part number: 8210809

FESTO



Data sheet

Feature	Value
Size	20
Stroke per gripper jaw	13 mm...13 mm
Max. interchangeability	0.2 mm...0.2 mm
Max. gripper jaw angular play ax, ay	0.3 deg...0.3 deg
Max. gripper jaw backlash Sz	0.05 mm...0.05 mm
Rotational symmetry	0.2 mm...0.2 mm
Pneumatic gripper repetition accuracy	0.01 mm...0.01 mm
Number of gripper jaws	2
Actuator system	Electrical
Mounting position	Any
Gripper function	Parallel
Structural design	Worm gear T-shape Gear rack/pinion Electric gripper
Conforms to standard	IEC 61010-1
Guide	Sliding guide
Position sensing	For proximity sensor
Motor type	DC servo motor
Control elements	Latching switch
Ready status indication	LED
Max. cycle rate	0.7 Hz
Max. current consumption	2 A...0 mA
Nominal operating voltage DC	24 V...24 V
Permissible voltage fluctuations	+/- 10 %
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Noise level	70 dB(A)...70 dB(A)

Feature	Value
Degree of protection	IP40
Ambient temperature	5 °C...5 °C
Total gripping force	218 N...218 N
Mass moment of inertia	2.05 kgcm ² ...2.05 kgcm ²
Maximum force on gripper jaw Fz, static	325 N
Maximum torque on gripper jaw, Mx static	13 Nm
Maximum torque on gripper jaw, My static	8 Nm
Maximum torque on gripper jaw, Mz static	13 Nm
Relubrication interval for guidance elements	2 MioCyc
Product weight	630 g...630 g
Max. mass per external gripper finger	150 g
Electrical connection	5-pin Cable with plug M12x1
Type of mounting	With internal thread and centering sleeve Via through-hole and centering sleeve Optionally:
Note on materials	RoHS-compliant
Housing material	Aluminum, anodized
Gripper jaw material	High-alloy stainless steel
Scope of delivery	1x adapter plate 1x Velcro® roll 1x position transmitter 2x connecting cable