

parallel gripper kit for robots EHPS-20-A-RA1

Part number: 8119112

FESTO



Data sheet

Feature	Value
Size	20
Stroke per gripper jaw	13 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	0.3 deg
Max. gripper jaw backlash Sz	0.05 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	≤ 0.01 mm
Number of gripper fingers	2
Drive system	electrical
Gripper function	Parallel
Design structure	Worm gear unit T-shaped Rack and pinion Electric gripper
Conforms to standard	IEC 61010-1
Guide	Plain-bearing guide
Position detection	For proximity sensor
Motor type	DC servo motor
Control elements	Latched switch
Ready status display	LED
Max. cycle frequency	0.7 Hz
Max. mass per external gripper finger	150 g
Max. current consumption	2 A
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	+/- 10 %
Authorization	RCM Mark
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L
Sound pressure level	≤ 70 dB(A)
Protection class	IP40
Ambient temperature	5 ... 60 °C
Total gripping force	218 N
Mass moment of inertia	2.05 kgcm ²
Max. force on gripper jaw Fz static	325 N
Max. torque at gripper Mx static	13 Nm
Max. torque at gripper My static	8 Nm
Max. torque at gripper Mz static	13 Nm
Lubrication interval for guide components	2 Mio SP
Product weight	630 g
Electrical connection	5-pin Cable with plug

Feature	Value
	M12x1
Mounting type	Internal thread and centering sleeve With through-hole and centering sleeve Optional
Materials note	Conforms to RoHS
Material housing	Anodised aluminium
Material gripper jaws	High alloy steel, non-corrosive
Robot connection	Universal robots UR3/5/10 (PolyScope CB 3.6.0 or higher) Universal robots UR3e/5e/10e (PolyScope SW 5.0.0 or higher)
Accessories included	1x adapter plate 1x Velcro® roll 1x position transmitter 1x USB-Stick mit URCap 2x connecting cable