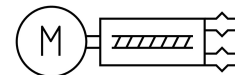


Parallel gripper EHPS-16-A-RA1

Part number: 8119111

FESTO



Data sheet

Feature	Value
Size	16
Stroke per gripper jaws	10 mm
Max. replacement accuracy	0.2 mm
Max. angular gripper jaw backlash ax, ay	0.4 deg
Max. gripper jaw backlash Sz	0.05 mm
Rotationally symmetrical	0.2 mm
Repetition accuracy, gripper	0.03 mm
Number of gripper jaws	2
Drive system	Electrical
Gripper function	Parallel
Design	Worm gear unit T-shape Rack and pinion Electric gripper
Conforms to standard	IEC 61010-1
Guide	Plain-bearing guide
Position detection	Via proximity switch
Type of motor	DC servo motor
Operator controls	Latched switch
Ready status indication	LED
Max. cycle frequency	1.1 Hz
Max. mass per external gripper finger	100 g
Max. current consumption	1 A
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %
Approval	RCM trademark
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion protection	Zone 1 (UKEX) Zone 21 (UKEX)

Feature	Value
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Sound pressure level	70 dB(A)
Degree of protection	IP40
Ambient temperature	5 °C...60 °C
Total gripping force	154 N
Mass moment of inertia	0.81 kgcm ²
Max. force on gripper jaw Fz static	200 N
Max. torque at gripper Mx static	7 Nm
Max. torque at gripper My static	4.4 Nm
Max. torque at gripper Mz static	7 Nm
Lubrication interval for guide components	2 MioCyc
Product weight	400 g
Electrical connection	5-pin Cable with plug M12x1
Type of mounting	Either: Via female thread and centring sleeve Via through-hole and centring sleeve
Note on materials	RoHS-compliant
Material housing	Anodised aluminium
Material gripper jaws	High-alloy stainless steel
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)
Scope of delivery	1x adapter plate 1x Velcro® roll 1x position transmitter 1x USB memory stick with URCap 2x connecting cables