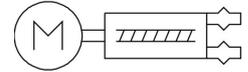


Parallel gripper EHPS-25-A-LK

Part number: 8103811

FESTO



Data sheet

Feature	Value
Size	25
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
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	With Hall sensor With integrated linear potentiometer Via IO-Link interface
Symbol	00992258
Motor type	DC servo motor
Ready status indication	LED
Max. cycle rate	0.8 Hz
Max. current consumption	2000 mA
Nominal operating voltage DC	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
Noise level	≤70 dB(A)
Degree of protection	IP40
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	5.24 kgcm ²
Maximum force on gripper jaw Fz, static	450 N

Feature	Value
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	904 g
Protocol	IO-Link®
IO-Link®, protocol version	Device V 1.1
IO-Link®, communication mode	COM3 (230.4 kBd)
IO-Link®, SIO mode support	No
IO-Link®, port class	Device B
IO-Link®, number of ports	Device 1
IO-Link®, process data width OUT	8 bytes
IO-Link®, process data content OUT	16 bit (ControlWord) 16 bit (GrippingPosition) 8 bit (GrippingForce) 8 bit (GrippingMode) 8 bit (GrippingTolerance) 8 bit (WorkpieceNo)
IO-Link®, process data width IN	6 bytes
IO-Link®, process data content IN	16 bit (ActualPosition) 16 bit (ErrorNumber) 16 bit (StatusWord)
IO-Link®, minimum cycle time	5 ms
IO-Link®, data memory required	<500 byte
IO-Link®, device ID	0x000033
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	Wrought aluminum alloy, anodized
Gripper jaw material	High-alloy stainless steel