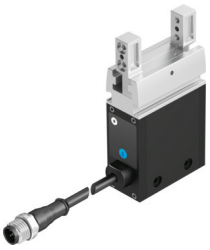
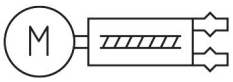
Parallel gripper
EHPS-16-A

Part number: 8070832





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
Mounting position	optional
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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Corrosion resistance class CRC	1 - Low corrosion stress

Feature	Value
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Metals with more than 5% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils
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	0.78 kgcm²
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	296 g
Electrical connection	5-pin Cable with plug M12x1
Type of mounting	Via female thread and centring sleeve Via through-hole and centring sleeve Either:
Note on materials	RoHS-compliant
Material housing	Anodised aluminium
Material gripper jaws	High-alloy stainless steel