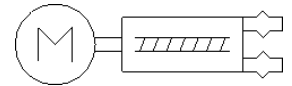
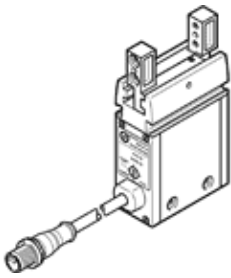


# Parallel gripper EHPS-16-A

Part number: 8070832

FESTO



## Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	10 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	0.4 deg
Max. gripper jaw backlash Sz	0.05 mm
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.03$ mm
Number of gripper fingers	2
Drive system	electrical
Assembly position	Any
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	1.1 Hz
Max. mass per external gripper finger	100 g
Max. current consumption	1 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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
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
RSBP classification to CD-0033	F5
Sound pressure level	$\leq 70$ dB(A)
Protection class	IP40
Ambient temperature	5 ... 60 °C
Total gripping force	154 N
Mass moment of inertia	0.78 kgcm <sup>2</sup>
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

Feature	Value
Lubrication interval for guide components	2 Mio SP
Product weight	296 g
Electrical connection	5-pin Cable with plug 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