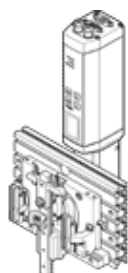


# Handling module HSP-16-AE-IO-GE

Part number: 539545

FESTO

With motor unit, I/O connection and right-angle gear unit.



## Data sheet

Feature	Value
Size	16
Y stroke	90 ... 110 mm
Z stroke	35 ... 50 mm
Z stroke, working stroke	20 mm
Cushioning	noise absorption through buffer Predefined braking ramp
Assembly position	Guide rail Vertically downwards
Type of gear unit	Planetary gear unit
Design structure	Cross-guide Motor unit guided motion sequence
Gear unit ratio	13,73:1
Rotor position sensor	Optical encoder
Temperature monitoring	Shutdown in case of overtemperature (>70°)
Minimum cycle time	1 s
Repetition accuracy, intermediate positions	< 1,5 mm
Repetition accuracy, end positions	+/-0,01 mm
Number of increments per revolution	500
Display resolution	128x64 Pixel
Insulation protection class	F
Max. current, digital logic outputs	200 mA
Nominal motor power	48 W
Nominal motor current	2 A
Parameters configuring interface	RS232 (9600 Baud)
Nominal voltage DC	24 V
Peak current	3.8 A
Permissible voltage fluctuation	+/- 10 %
CE mark (see declaration of conformity)	to EU directive for EMC
Protection class	IP40
Ambient temperature	0 ... 50 °C
Max. torque Mx dynamic	2.4 Nm
Max. torque Mx static	10 Nm
Max. torque My dynamic	2.4 Nm
Max. torque My static	10 Nm
Max. torque Mz dynamic	2.4 Nm
Max. torque Mz static	10 Nm
Maximum process force in Y direction	35 N
Theoretical effective power in Z direction	25 N
Product weight	5,700 g
Mounting type	with through hole With slot nuts
Materials note	Contains PWIS substances
Material information, stops	High alloy steel

Feature	Value
Material information, spring pressure piece	High alloy steel
Materials information for sub-base	Wrought Aluminium alloy Anodised
Material information, holder	Wrought Aluminium alloy Anodised
Materials information for cross-guide	Heat-treatment steel
Material information, swivel lever	Case-hardened steel Burnished
Material information, slotted guide plate	Case-hardened steel Burnished
Material information, sensor rail	Wrought Aluminium alloy Anodised
Material information, ridge	Wrought Aluminium alloy Anodised
Material information, adjusting screw	High alloy steel