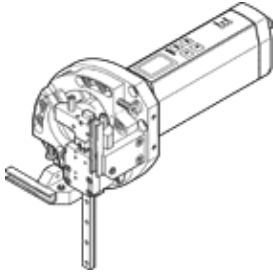


# Handling module HSW-16-AE-IO

Part number: 540282

FESTO

Pick and Place for repositioning parts at a 90° angle, with motor unit and I/O connection.



## Data sheet

Feature	Value
Working stroke	20 ... 35 mm
Size	16
Max. linear stroke at 90° swivel angle	175/175 mm
Z stroke	80 ... 100 mm
Cushioning	noise absorption through buffer Predefined braking ramp
Assembly position	Any
Type of gear unit	Planetary gear unit
Design structure	linear guide plus rotating bearing Motor unit guided motion sequence
Gear unit ratio	13,73:1
Rotor position sensor	Optical encoder
Temperature monitoring	Shutdown at over-temperature (>80°)
Minimum cycle time	1.2 s
Repetition accuracy, intermediate positions	< 2 mm
Repetition accuracy, end positions	+/- 0,02 mm
Number of increments per revolution	500
Display resolution	128x64 Pixel
Insulation protection class	F
Max. current, digital logic outputs	60 mA
Nominal motor power	122.4 W
Nominal motor current	5.1 A
Parameters configuring interface	RS232 (9600 Baud)
Nominal voltage DC	24 V
Peak current	7.7 A
Permissible voltage fluctuation	+/- 10 %
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Protection class	IP54
Ambient temperature	0 ... 50 °C
Max. torque Mx	2.5 Nm
Max. torque My	2.5 Nm
Max. torque Mz	2.5 Nm
Maximum process force in Y direction	50 N
Theoretical effective power in Z direction	50 N
Product weight	8,900 g
Mounting type	With through-hole and centering sleeve
Materials note	Contains PWIS substances
Material information, stops	High alloy steel
Material information, spring pressure piece	High alloy steel
Materials information for subbase	Wrought Aluminum alloy Anodized
Material information, holder	Wrought Aluminum alloy

Feature	Value
	Anodized
Materials information for cross-guide	Heat-treatment steel
Material information, swivel lever	Case-hardened steel Burnished
Material information, slotted guide plate	Case-hardened steel Hardened
Material information, sensor rail	Wrought Aluminum alloy Anodized
Material information, ridge	Wrought Aluminum alloy Anodized
Material information, adjusting screw	High alloy steel