

# Handling module HSP-12-AP-SD

Part number: 533600

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Size	12
Y stroke	52 mm ... 68 mm
Z stroke	20 mm ... 30 mm
Z stroke, working stroke	15 mm
Cushioning	Shock absorber at both ends Soft characteristic curve
Mounting position	Guide rail Vertical
Mode of operation	Double-acting
Design	Cross guide Swivel module Force pilot operated motion sequence
Position detection	Via proximity switch
Protection against torque/guide	Cross guide
Operating pressure	4 bar ... 8 bar
Min. cycle time	0.6 s
Repetition accuracy	±0.01 mm
Operating medium	Compressed air to ISO 8573-1:2010 [7::-:]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	0 °C ... 60 °C
Max. torque Mx dynamic	1.1 Nm
Max. torque Mx static	5 Nm
Max. torque My dynamic	1.1 Nm
Max. torque My static	5 Nm
Max. torque Mz dynamic	1.1 Nm
Max. torque Mz static	5 Nm
Max. effective load	0.5 kg
Max. process force in Y direction	30 N
Theoretical force at 0.6 MPa (6 bar, 87 psi)	40 N
Product weight	2600 g
Mounting of front unit	With through-hole
Type of mounting	With through-hole Via slot nuts
Pneumatic connection	M5
Material stops	High-alloy steel

<b>Feature</b>	<b>Value</b>
Material cover	Anodised wrought aluminium alloy
Material spring pressure piece	High-alloy steel
Material base plate	Wrought aluminium alloy
Material retaining bracket	Wrought aluminium alloy
Material cross-guide	Tempered steel
Material swivel lever	Case-hardened steel Burnished
Material slotted guide plate	Case-hardened steel Burnished
Material side components	Wrought aluminium alloy
Material sensor rail	Wrought aluminium alloy Anodised
Material bar	Wrought aluminium alloy Anodised
Material setting screw	High-alloy steel