Handling module HSW-16-AP-SD Part number: 540235

Data sheet

Size 16 Max. linear stroke with 90° swivel angle 175/175 mm Z stroke 80 mm100 mm Cushioning Shock absorber at both ends Soft characteristic curve Wounting position optional Design Linear guide plus ball bearing Semi-rotary drive Force pilot operated motion sequence Position detection Via proximity switch Operating pressure 4 bar8 bar Win. cycle time 1 s Repetition accuracy end positions +/-0.02 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) ABS (PWIS) conformity VDMA24364-82-L Mubient temperature 0 °C60 °C Max. moment Mx 2.5 Nm Max. moment Mz 2.5 Nm Max. effective load 1.5 kg Max. process force in Y direction 55 N Paroduct weight 5400 g Yupe of mounting Yia through-hole and centring sleeve Prounding Yia through-hole and centring sleeve Prounding Yia through-hole and centring sleeve	Feature	Value
Max. linear stroke with 90° swivel angle175/175 mmZ stroke80 mm100 mmZ stroke80 mm100 mmCushioningShock absorber at both ends Soft characteristic curveMounting positionoptionalDesignLinear guide plus ball bearing Semi-rotary drive Force pilot operated motion sequencePosition detectionVia proximity switchDeparating pressure4 bar8 barWin. cycle time1 sRepetition accuracy end positions+/-0.02 mmOperating mediumCompressed air to ISO 8573-1:2010[7:-:]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)ABS (PWIS) conformityVDMA24364-B2-LMax. moment Mx2.5 NmMax. moment Mx2.5 NmMax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gYupe of mountingVia through-hole and centring sleevePreunatic connectionM5Material stopsHigh-alloy steelWaterial stopsWincynchial uninium alloy Anodised	Working stroke	20 mm35 mm
Z stroke 80 mm100 mm Cushioning Shock absorber at both ends Soft characteristic curve Wounting position optional Design Linear guide plus ball bearing Semi-rotary drive Force pilot operated motion sequence Position detection Via proximity switch Operating pressure 4 bar8 bar Win. cycle time 1 s Repetition accuracy end positions +/-0.02 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) ASS (PWIS) conformity VDMA24364-B2-L Ambient temperature 0 °C60 °C Wax. moment MX 2.5 Nm Wax. moment MX 2.5 Nm Wax. moment Mz 2.5 Nm Wax. effective load 1.5 kg Wax. process force in Y direction 50 N Theoretical force at 0.6 MPa (6 bar, 87 psi) 55 N Product weight 5400 g Yupe of mounting Via through-hole and centring sleeve Preumatic connection M5 Waterial toope Wing High-alloy steel Waterial toope <td>Size</td> <td>16</td>	Size	16
CushioningShock absorber at both ends Soft characteristic curveWounting positionoptionalDesignLinear guide plus ball bearing Semi-rotary drive Force pilot operated motion sequencePosition detectionVia proximity switchDoperating pressure4 bar8 barWin. cycle time1 sRepetition accuracy end positions+/-0.02 mmDoperating mediumCompressed air to ISO 8573-1:2010 [7::-]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)ABS (PWIS) conformityVDM24364-B2-LAmbient temperature0 °C60 °CWax. moment Mx2.5 NmWax. moment Mz2.5 NmWax. effective load1.5 kgWax. process force in Y direction50 NProduct weight5400 gYupe of mountingVia through-hole and centring sleeveProduct weight5400 gWaterial stopsHigh-alloy steelWaterial stopsWrought aluminium alloy Anodised	Max. linear stroke with 90° swivel angle	175/175 mm
VolumentSoft characteristic curveWounting positionoptionalDesignLinear guide plus ball bearing Semi-rotary drive Force pilot operated motion sequencePosition detectionVia proximity switchOperating pressure4 bar8 barWin. cycle time1 sRepetition accuracy end positions+/-0.0 mmOperating mediumCompressed air to ISO 8573-1:2010[7:-?]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)ABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CWax. moment Mx2.5 NmWax. moment Mz2.5 NmWax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gPrountingWia through-hole and centring sleevePneumatic connectionM5Waterial coverWrought aluminium alloy Anodised	Z stroke	80 mm100 mm
DesignLinear guide plus ball bearing Semi-rotary drive Force pilot operated motion sequencePosition detectionVia proximity switchOperating pressure4 bar8 barWin. cycle time1 sRepetition accuracy end positions+/-0.02 mmOperating mediumCompressed air to ISO 8573-1:2010[7::·]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)ABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CWax. moment Mx2.5 NmVax. moment Mz2.5 NmWax. process force in Y direction50 NTheoretical force at 0.6 Mpa (6 bar, 87 psi)55 NProduct weight5400 gVia trongh-hole and centring sleeve"Preumatic connectionM5Waterial stopsHigh-alloy steelWaterial stopsWirought aluminium alloy Anodised	Cushioning	
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Deperating pressure4 bar8 barWin. cycle time1 sRepetition accuracy end positions+/-0.02 mmOperating mediumCompressed air to ISO 8573-1:2010 [7::-]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)LABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CMax. moment Mx2.5 NmVax. moment Mz2.5 NmMax. effective load1.5 kgMax. process force in Y direction50 NProduct weight5400 gProduct weight5400 gVia through-hole and centring sleevePneumatic connectionM5Material stopsHigh-alloy steelWaterial coverWrought aluminium alloy Anodised	Design	Semi-rotary drive
No.No.Win. cycle time1 sRepetition accuracy end positions+/-0.02 mmOperating mediumCompressed air to ISO 8573-1:2010[7::-]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)LABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CMax. moment Mx2.5 NmMax. moment My2.5 NmMax. effective load1.5 kgMax. process force in Y direction50 NProduct weight5400 gType of mountingVia through-hole and centring sleevePreumatic connectionM5Material stopsHigh-alloy steel	Position detection	Via proximity switch
Repetition accuracy end positions+/-0.02 mmOperating mediumCompressed air to ISO 8573-1:2010 [7:-:-]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)ABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CWax. moment Mx2.5 NmWax. moment Mz2.5 NmWax. effective load1.5 kgMax. process force in Y direction50 NProduct weight5400 gProduct weight5400 gVia through-hole and centring sleevePneumatic connectionM5Waterial stopsHigh-alloy steelWaterial coverWrought aluminium alloy Anodised	Operating pressure	4 bar8 bar
Deperating mediumCompressed air to ISO 8573-1:2010[7:-:-]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)ABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CWax. moment Mx2.5 NmWax. moment My2.5 NmWax. moment Mz2.5 NmWax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gType of mountingVia through-hole and centring sleevePneumatic connectionM5Material stopsHigh-alloy steelWaterial coverWrought aluminium alloy Anodised	Min. cycle time	1 s
Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)ABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CMax. moment Mx2.5 NmVax. moment My2.5 NmWax. moment Mz2.5 NmWax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gFype of mountingVia through-hole and centring sleevePneumatic connectionM5Material stopsHigh-alloy steelWaterial coverWrought aluminium alloy Anodised	Repetition accuracy end positions	+/-0.02 mm
always be required)LABS (PWIS) conformityVDMA24364-B2-LAmbient temperature0 °C60 °CMax. moment Mx2.5 NmMax. moment My2.5 NmMax. moment Mz2.5 NmMax. moment Mz2.5 NmMax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gProduct weight5400 gPheumatic connectionM5Material stopsHigh-alloy steelMaterial coverWrought aluminium alloy Anodised	Operating medium	Compressed air to ISO 8573-1:2010[7:-:-]
Ambient temperature0 °C60 °CMax. moment Mx2.5 NmVax. moment My2.5 NmVax. moment Mz2.5 NmMax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gType of mountingVia through-hole and centring sleevePneumatic connectionM5Material stopsHigh-alloy steelMaterial coverWrought aluminium alloy Anodised	Note on operating and pilot medium	
Max. moment Mx2.5 NmMax. moment My2.5 NmMax. moment Mz2.5 NmMax. effective load1.5 kgMax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gProduct weight5400 gPreumatic connectionM5Material stopsHigh-alloy steelMaterial coverWrought aluminium alloy Anodised	LABS (PWIS) conformity	VDMA24364-B2-L
Max. moment My2.5 NmMax. moment Mz2.5 NmMax. effective load1.5 kgMax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gProduct weight5400 gProduct connectionM5Material stopsHigh-alloy steelMaterial coverWrought aluminium alloy Anodised	Ambient temperature	0 °C60 °C
Vax. moment Mz2.5 NmVax. effective load1.5 kgVax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gType of mountingVia through-hole and centring sleevePneumatic connectionM5Material stopsHigh-alloy steelWaterial coverWrought aluminium alloy Anodised	Max. moment Mx	2.5 Nm
Wax. effective load1.5 kgMax. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gProduct weightVia through-hole and centring sleevePneumatic connectionM5Material stopsHigh-alloy steelMaterial coverWrought aluminium alloy Anodised	Max. moment My	2.5 Nm
Max. process force in Y direction50 NTheoretical force at 0.6 MPa (6 bar, 87 psi)55 NProduct weight5400 gProduct weightVia through-hole and centring sleevePreumatic connectionM5Material stopsHigh-alloy steelWaterial coverWrought aluminium alloy Anodised	Max. moment Mz	2.5 Nm
Fineoretical force at 0.6 MPa (6 bar, 87 psi) 55 N Product weight 5400 g Type of mounting Via through-hole and centring sleeve Pneumatic connection M5 Material stops High-alloy steel Waterial cover Wrought aluminium alloy Anodised	Max. effective load	1.5 kg
Product weight 5400 g Type of mounting Via through-hole and centring sleeve Pneumatic connection M5 Material stops High-alloy steel Material cover Wrought aluminium alloy Anodised	Max. process force in Y direction	50 N
Type of mounting Via through-hole and centring sleeve Pneumatic connection M5 Material stops High-alloy steel Waterial cover Wrought aluminium alloy Anodised	Theoretical force at 0.6 MPa (6 bar, 87 psi)	55 N
Pneumatic connection M5 Vaterial stops High-alloy steel Vaterial cover Wrought aluminium alloy Anodised	Product weight	5400 g
Waterial stops High-alloy steel Waterial cover Wrought aluminium alloy Anodised	Type of mounting	Via through-hole and centring sleeve
Vaterial cover Wrought aluminium alloy Anodised	Pneumatic connection	M5
Anodised	Material stops	High-alloy steel
Naterial spring pressure piece High-alloy steel	Material cover	
	Material spring pressure piece	High-alloy steel

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Feature	Value
Material base plate	Wrought aluminium alloy Anodised
Material retaining bracket	Wrought aluminium alloy Anodised
Material cross-guide	Tempered steel
Material swivel lever	Case-hardened steel Burnished
Material slotted guide plate	Case-hardened steel Hardened
Material sensor rail	Wrought aluminium alloy Anodised
Material bar	Wrought aluminium alloy Anodised
Material setting screw	High-alloy steel