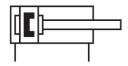
ISO cylinder DSNU-10-10-P-A Part number: 19183







General operating condition

Data sheet

Piston diameter 10 mm Piston of thread M4 Cushioning Elastic cushioning rings/pads at both ends Mounting position Any Conforms to standard ISO 6432 Piston rod end External thread Structural design Piston of Cylinder barrel Proston of Cylinder barrel Proston rod end Piston rod Cylinder barrel Proston rod Extractural design Piston rod Cylinder barrel Proston rod Extractural design Piston rod Cylinder barrel Proston rod Extractural design Piston rod Extractural design Proston Residual Residua	Feature	Value
Piston rod thread Mounting position Any Conforms to standard Piston rod end External thread Structural design Position sensing For proximity sensor Symbol Operating pressure Operating pressure 1.5 bar 10 bar Mode of operation Operating medium Compressed air as per 150 8573-1:2010 [7:4:4] Information on operating and pilot media Operating corresion resistance class (CRC) 2. Moderate corrosion stress Class 6 according to 150 14644-1 Ambient temperature Information cass Class 6 according to 150 14644-1 Ambient temperature Informetical force at 6 bar, atvancing Moving mass at 0 mm stroke Additional weight per 10 mm stroke Roths complaint Note on materials Cover material Wrought aluminum alloy Plain annodized NBR Roth Roth Ro	Stroke	10 mm
Elastic cushioning Elastic cushioning rings/pads at both ends Mounting position Any Conforms to standard ISO 6432 External thread Piston rod end External thread Structural design Piston rod Cylinder barrel Position sensing For proximity sensor Symbol O0991217 Variants Piston rod at one end ODeprating pressure O.15 MPa 1 MPa ODeprating pressure I.5 bar 10 bar Mode of operation ODeprating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media ODerosion resistance class (CRC) 2 - Moderate corrosion stress Class 6 according to ISO 14644-1 Ambient temperature Impact energy in the end positions Theoretical force at 6 bar, retracting 33.6 N Theoretical force at 6 bar, retracting Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight pe	Piston diameter	10 mm
Mounting position Conforms to standard ISO 6432 Piston rod end External thread Structural design Piston Piston rod Cylinder barrel Position sensing Poperating pressure Operating pressure Operating pressure Operating pressure Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Corrosion resistance class (CRC) LABS (PWIS) conformity VoMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature Disperating force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke Additional medical Cover material NBR Ref-LU(PU) Piston rod Advised Harva Piston rod Cylinder barrel Piston rod Cylinder	Piston rod thread	M4
Conforms to standard ISO 6432 Piston rod end External thread Piston Position sensing For proximity sensor Symbol O0991217 Variants Piston rod at one end Operating pressure O.15 MPa 1 MPa Operating pressure O.15 MPa 1 MPa Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Class 6 according to ISO 14644-1 Ambient temperature	Cushioning	Elastic cushioning rings/pads at both ends
External thread Structural design Piston rod Cylinder barrel Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating messure Operating medium Operating and pilot media Operating and pilot media Operating son on operating and pilot media Operating resistes LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to 150 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions Oos J Theoretical force at 6 bar, retracting Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Note on materials Cover material Wrought aluminum alloy Palian anodized NBR PPE-U(PU)	Mounting position	Any
Structural design Piston Piston rod Cylinder barrel Position sensing For proximity sensor Symbol 0991217 Variants Piston rod at one end Operating pressure 0.15 MPa 1 MPa Operating pressure 1.5 bar 10 bar Mode of operation Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2- Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 2-20 °C 80 °C Impact energy in the end positions 0.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 1 g Basic weight with 0 mm stroke 2.7 g Type of mounting With accessories Pheumatic connection M5 Note on materials Rolls and Color of the complete of the complete of the complete of the connection M5 Note on materials Rolls MBR TPE-U(PU)	Conforms to standard	ISO 6432
Piston rod Cylinder barrel Position sensing For proximity sensor Symbol 00991217 Variants Piston rod at one end Operating pressure 0.15 MPa 1 MPa Operating pressure 1.5 bar 10 bar Mode of operation Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2- Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Clearnoom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions 0.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1g Basic weight with 0 mm stroke 2.7 g Additional weight per 10 mm stroke 37.3 g Additional weight per 10 mm stroke 37.3 g Pre-umatic connection M5 Note on materials Rolls and Compress and Plain and Depth and	Piston rod end	External thread
Symbol 00991217 Variants Piston rod at one end 00091217 Operating pressure 0.15 MPa 1 MPa Operating pressure 1.5 bar 10 bar Mode of operation Double-acting 00991217 Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) 0099121 (require	Structural design	Piston rod
Avariants Piston rod at one end Operating pressure 0.15 MPa 1 MPa Operating pressure 1.5 bar 10 bar Mode of operating Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Occrosion resistance class (CRC) 2- Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions 0.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Position sensing	For proximity sensor
Operating pressure Operating pressure 1.5 bar 10 bar Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke Additional weight per 10 mm stroke 2.7 g Type of mounting Pneumatic connection M5 Note on materials Cover material NBR TPE-U(PU)	Symbol	00991217
Derating pressure 1.5 bar 10 bar Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions O.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pheumatic connection M5 Note on materials Cover material NBR TPE-U(PU)	Variants	Piston rod at one end
Mode of operation Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions O.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on material Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Operating pressure	0.15 MPa 1 MPa
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Operating pressure	1.5 bar 10 bar
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke 2.7 g Type of mounting Preumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Mode of operation	Double-acting
Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions 0.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity VDMA24364-B1/B2-L Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions 0.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -20 °C 80 °C Impact energy in the end positions 0.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Ambient temperature Impact energy in the end positions Ineoretical force at 6 bar, retracting Ineoretical force at 6 bar, advancing Ineoretical force at 6 bar, retracting Ineoretical force at 6 bar, advancing Ine	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions O.05 J Theoretical force at 6 bar, retracting 39.6 N Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Cleanroom class	Class 6 according to ISO 14644-1
Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Ambient temperature	-20 °C 80 °C
Theoretical force at 6 bar, advancing 47.1 N Moving mass at 0 mm stroke 8.5 g Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Impact energy in the end positions	0.05 J
Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke 7.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Theoretical force at 6 bar, retracting	39.6 N
Additional moving mass per 10 mm stroke 1 g Basic weight with 0 mm stroke 37.3 g Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Theoretical force at 6 bar, advancing	47.1 N
Basic weight with 0 mm stroke Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Moving mass at 0 mm stroke	8.5 g
Additional weight per 10 mm stroke 2.7 g Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized NBR TPE-U(PU)	Additional moving mass per 10 mm stroke	1 g
Type of mounting With accessories Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Basic weight with 0 mm stroke	37.3 g
Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Additional weight per 10 mm stroke	2.7 g
Note on materials Cover material Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Type of mounting	With accessories
Cover material Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Pneumatic connection	M5
Plain anodized Seals material NBR TPE-U(PU)	Note on materials	RoHS-compliant
TPE-U(PU)	Cover material	
Piston rod material High-alloy stainless steel	Seals material	··-·
	Piston rod material	High-alloy stainless steel

Feature	Value
Material of cylinder barrel	High-alloy stainless steel