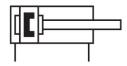
ISO cylinder DSNU-16-70-P-A Part number: 1908264

FESTO





General operating condition

Data sheet

Piston diameter 16 mm Piston of thread M6 Cushioning Elastic cushioning rings/pads at both ends Mounting position Any Conforms to standard ISO 6432 Piston rod end External thread Piston rod end Piston rod Cylinder barrel Position sensing Proprinting sensor Symbol 00991217 Variants Piston rod at one end Operating pressure 0.1 MPa 1 MPa Operating pressure 1 bar 10 bar Doperating pressure 1 bar 10 bar 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 Alass (PWIS) conformity VOMA2366-B1 [82-L] Cleanroom class Class and positions 0.15 J Theoretical force at 6 bar, cettracting 103.7 N Theoretical force at 6 bar, advancing 120.6 N Modificual moving mass per 10 mm stroke 2 g Sadic weight with 0 mm stroke 4.6 g Worder material NBR Pre-uncertial Position NBR Pre-uncertial Position NBR Pre-uncertial Position NBR Pre-uncertial NBR Pre-uncertical NBR Pre-unce	Feature	Value
Piston rod thread Mounting position Any Conforms to standard Piston rod end External thread Piston rod end External thread Structural design Piston rod Cylinder barrel Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating medium Compressed air as per 150 8573-1:2010 [7:4:4] Information on operating and pilot media Operating on operating and pilot media Operating consistence class (CRC) 2 - Moderate corrosion stress AlaSi (PWIS) conformity VDMA2436-B1/R2-L Cleanroom class Class 6 according to 150 14644-1 AlaSi (PWIS) conformity Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke Additional weight per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke Additional moving mass per 10 mm stroke Additional moving mass at 0 mm stroke Additional weight per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke A	Stroke	70 mm
Elastic cushioning Elastic cushioning rings/pads at both ends Mounting position Any Conforms to standard ISO 6432 Piston rod end External thread Structural design Piston Piston rod Cylinder barrel Position sensing For proximity sensor Position sensing For proximity sensor Position sensing Piston rod at one end Operating pressure O.1 MPa 1 MPa Operating pressure Inbar 10 bar Doperating pressure Inbar 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 on operating and pilot media Operation Operating endium ISS (CRC) Photographics (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 2-20°C 80°C Moving mass at 0 mm stroke O.15 J Theoretical force at 6 bar, retracting O.3.7 N Theoretical force at 6 bar, advancing Work of the composition o	Piston diameter	16 mm
Mounting position Conforms to standard ISO 6432 Piston rod end External thread Structural design Piston rod Cylinder barrel For proximity sensor Operating pressure Operating pressure Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation resistance class (CRC) 2 - Moderate corrosion stress Class Generor Lass Class	Piston rod thread	M6
So 6432	Cushioning	Elastic cushioning rings/pads at both ends
External thread Structural design Piston rod Cylinder barrel Position sensing For proximity sensor Symbol Operating pressure On MPa 1 MPa Operating messure I 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 Operating sensing 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 Onspring in the end of the province in the end positions Onspring in the end of the province in the end positions Onspring in the end of the province in the end positions Onspring in the end of the province in the end positions Onspring in the end of the province in the end positions Onspring in the end of the end positions Onspring in the end of the province in t	Mounting position	Any
Fiston Piston rod Cylinder barrel Position sensing For proximity sensor Symbol O0991217 Variants Piston rod at one end Operating pressure O.1 MPa 1 MPa Operating pressure 1 bar 1 MPa Operating pressure 1 bar 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] Operating medium Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Operating resistance class (CRC) 2 - Moderate corrosion stress UABS (CWIS) 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 0.15 J Theoretical force at 6 bar, retracting 103.7 N Theoretical force at 6 bar, advancing 120.6 N Moving mass at 0 mm stroke 23 g Basic weight with 0 mm stroke 89.9 g Additional moving mass per 10 mm stroke 4.6 g Type of mounting With accessories Preumatic connection M5 Note on materials Roll-Compliant Wought aluminum alloy Plain anodized NBR TPE-U(PU)	Conforms to standard	ISO 6432
Piston rod Cylinder barrel Position sensing Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure Operating pressure 1 bar 10 bar Mode of operation Operating and pilot media Operation on operating and pilot media Operation 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 103-7 N Information on mistroke 23 g Additional moving mass per 10 mm stroke 89-9 g Additional weight per 10 mm stroke 4.6 g Preumatic connection M5 Note on materials Cover material Wrought aluminum alloy Plain anodized Seals material Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Piston rod end	External thread
Symbol 00991217 Variants Piston rod at one end 001 MPa 1 MPa Operating pressure 0.1 MPa 1 MPa Operating pressure 1 bar 10 bar Doperating messure 1 bar 10 bar Doperating 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 Class (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 0.15 J Theoretical force at 6 bar, retracting 103.7 N Theoretical force at 6 bar, advancing 120.6 N Moving mass at 0 mm stroke 23 g Basic weight with 0 mm stroke 29 g Basic weight with 0 mm stroke 89.9 g Additional moving mass per 10 mm stroke 4.6 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)	Structural design	Piston rod
Avariants Piston rod at one end Operating pressure 0.1 MPa 1 MPa 1 bar 10 bar b	Position sensing	For proximity sensor
Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating medium Operating with oil lubrication possible (required for further use) Operating medium Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lubrication possible (required for further use) Operating with oil lub	Symbol	00991217
Deperating pressure 1 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 Theoretical force at 6 bar, retracting 103.7 N Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 28 g Basic weight with 0 mm stroke 4.6 g Type of mounting With accessories Preumatic connection M5 Note on materials Cover material NBR TPE-U(PU)	Variants	Piston rod at one end
Mode of operation Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 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 103.7 N Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 89.9 g Additional weight per 10 mm stroke 4.6 g Type of mounting With accessories Preumatic connection M5 RoHS-compliant Cover material NBR TPE-U(PU)	Operating pressure	0.1 MPa 1 MPa
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 Theoretical force at 6 bar, advancing Theoretical force at 6 bar, advancing 23 g Additional moving mass per 10 mm stroke 22 g Basic weight with 0 mm stroke 89.9 g Additional weight per 10 mm stroke 4.6 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 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 103.7 N Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke 23 g 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 Type of mounting With accessories Pneumatic connection M5 Note on materials Cover material 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 O.15 J Theoretical force at 6 bar, retracting 103.7 N Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke 4.6 g Type of mounting 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]
AMBS (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 O.15 J Theoretical force at 6 bar, retracting 103.7 N Theoretical force at 6 bar, advancing 120.6 N Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke Basic weight with 0 mm stroke 4.6 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 O.15 J Theoretical force at 6 bar, retracting 103.7 N Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 2 g Basic weight with 0 mm stroke Additional weight per 10 mm stroke 4.6 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 Interestical force at 6 bar, retracting Interestical force at 6 bar, advancing Interestical force at 6 bar, retracting Interestical force at 6 bar, advancing Interestical force at 6 bar, each of Company Interestical force at 6 bar, advancing Interestical force at 6 bar, advancing Interestical force at 6 bar, each of Company In	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions O.15 J Theoretical force at 6 bar, retracting 103.7 N Theoretical force at 6 bar, advancing Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 2 g Basic weight with 0 mm stroke 89.9 g Additional weight per 10 mm stroke 4.6 g Type of mounting With accessories Preumatic 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 120.6 N Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 2 g Basic weight with 0 mm stroke 89.9 g Additional weight per 10 mm stroke 4.6 g Type of mounting With accessories Preumatic 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 120.6 N Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 2 g Basic weight with 0 mm stroke 89.9 g Additional weight per 10 mm stroke 4.6 g Type of mounting With accessories Pneumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Plain anodized Seals material NBR TPE-U(PU)	Impact energy in the end positions	0.15 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 Additional weight per 10 mm stroke Additional weight per 10 mm stroke From the description of the descr	Theoretical force at 6 bar, retracting	103.7 N
Additional moving mass per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke 4.6 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, advancing	120.6 N
Basic weight with 0 mm stroke Additional weight per 10 mm stroke 4.6 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	23 g
Additional weight per 10 mm stroke 4.6 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	2 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	89.9 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	4.6 g
Note on materials RoHS-compliant Wrought aluminum alloy Plain anodized 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