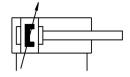
ISO cylinder DSBC-100-100-PPVA-N3 Part number: 1384808

FESTO





Data sheet

Instant diameter 100 mm Present of thread M20x1.5 Presentatic cushioning, adjustable at both ends And founting position Any Conforms to standard 150 15552 Piston rod end External thread Piston rod Profile barrel Profile barrel Profile parrel Pr	Feature	Value
M20x1.5 M20x1.5 M20x1.19 M20x1.19	Stroke	100 mm
Any Preumatic cushioning, adjustable at both ends Any Acounting position Any ISO 15552 Siston rod end External thread Siston rod end External thread Siston rod end Siston rod at one end Siston rod at one end Siston rod at one end Siston rod en	Piston diameter	100 mm
Any	Piston rod thread	M20x1.5
Sonforms to standard Siston rod end External thread Piston rod profile barrel Piston rod profile barrel Position sensing Position sensing Position rod profile barrel Position sensing Position sensing Position rod at one end Position rod at one end Position pressure Out Abar 1.2 MPa Operating pressure Out Abar 1.2 bar Deperating pressure Out Abar 1.2 bar Deperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Poperating medium Operation with oil lubrication possible (required for further use) Portion resistance class (CRC) 2 - Moderate corrosion stress Position resistance class (CRC) Position resistance class (C	Cushioning	Pneumatic cushioning, adjustable at both ends
External thread External thread First turural design Piston rod Profile barrel For proximity sensor Piston rod at one end Operating pressure O.4 MPa 1.2 MPa Operating pressure O.4 MPa 1.2 Der Mode of operation Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating on operating and pilot media Operation on operation on operation and pilot media Operation resistance class (CRC) 2 - Moderate corrosion stress Corrosion resistance class (CRC) 2 - Moderate corrosion stress Corrosion resistance class (CRC) 2 - Moderate corrosion stress Corrosion fesitance class (CRC) 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 C	Mounting position	Any
Piston Piston not Profile barrel Position sensing For proximity sensor Poymbol 0991235 Piston rod at one end Poperating pressure 0.04 MPa 1.2 MPa Poperating pressure 0.4 bar 12 bar Doperating pressure 0.4 bar 12 bar Doperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Doperating medium Compress	Conforms to standard	ISO 15552
Piston rod Profile barrel Profile ba	Piston rod end	External thread
Agriants Piston rod at one end Operating pressure O.4 MPa 1.2 MPa Operating pressure O.4 bar 12 bar Oberating pressure O.4 bar 12 bar Oberating medium Operating medium Operating and pilot media Operating on operating and pilot media Operating on operating and pilot media Operation Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Operation stistance class (CRC) 2 · Moderate corrosion stress Operation stress Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation on operating with energy in the end positions 2.5 J Sushioning length Operation of Sushioning length Operation on Sushioning length Operation	Structural design	Piston rod
Arainates Piston rod at one end O.04 MPa 1.2 MPa Operating pressure O.4 bar 12 bar Obuble-acting Poperating pressure O.4 bar 12 bar Obuble-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 2 · Moderate corrosion stress Operation with oil nubrication possible (required for further use) Operation resistance class (CRC) 2 · Moderate corrosion stress Operation with oil nubrication possible (required for further use) Operation resistance class (CRC) 2 · Moderate corrosion stress Operation vith oil nubrication possible (required for further use) Operation vith oil nubrication possible (required for further use) Operation vith oil nubrication possible (required for further use) Operation vith oil nubrication possible (required for further use) Operation vith oil nubrication possible (required for further use) Operation vith oil nubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required for further use) Operation vith oil lubrication possible (required fo	Position sensing	For proximity sensor
Operating pressure Operating pressure Outlook of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating with oil lubrication possible (required for further use) 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 visually as per Comparison of State	Symbol	00991235
Ande of operating pressure Ande of operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating medium Operating method illubrication possible (required for further use) 2 - Moderate corrosion stress Analysis of C Indiana temperature -20 °C 80 °C -2.5 J Indiana temperature -20 °C 80 °C -2. 80 °C -2.5 J Indiana temperature -20 °C 80 °C -2.5 Moderate corrosion stress -20 °C 80 °C -2.5 J Indiana temperature -20 °C 80 °C	Variants	Piston rod at one end
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 Ambient temperature -20 °C 80 °C Impact energy in the end positions Cushioning length 31 mm Cheoretical force at 6 bar, retracting 4418 N Cheoretical force at 6 bar, advancing Avoing mass at 0 mm stroke 1000 g Idditional weight per 10 mm stroke 101 g Idditional weight per 10 mm stroke 3665 g Idditional moving mass per 10 mm stroke 39 g Information on operating air as per ISO 8573-1:2010 [7:4:4] Information on operating moving mass per 10 mm stroke Information on operating moving move per Information on operation of Information on operation of Information on operation of Information on operation of Information on operation on operation of Information on operation of operation of operation of operation of operation of operation operation of operation of operation operation of operation of operation of operation operation of operation of operation operation of operation operation of operation operation operation operation of operation operation operation operation operation of operation operat	Operating pressure	0.04 MPa 1.2 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 Inhibient temperature -20 °C 80 °C Impact energy in the end positions Inhibient energy in the end position energy in	Operating pressure	0.4 bar 12 bar
Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Inhibient temperature -20 °C 80 °C Impact energy in the end positions It is in m Inheoretical force at 6 bar, retracting Alta N Inheoretical force at 6 bar, advancing Aloving mass at 0 mm stroke Indiditional weight per 10 mm stroke Indiditional weight with 0 mm stroke Indiditional moving mass per 10 mm stroke Indicate on mounting Indicate on materials Indicate on materials Indicate on material Indicate an uninnum, coated Indicate an uninnum, coated Indicate an uninnum, coated Indicate an uninnum alloy	Mode of operation	Double-acting
Additional moving mass per 10 mm stroke additional moving mass per 10 mm stro	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature -20 °C 80 °C Impact energy in the end positions 2.5 J Sushioning length Alternation force at 6 bar, retracting 4418 N 4418 N 4712 N Avoing mass at 0 mm stroke 1000 g Additional weight per 10 mm stroke 1011 g 365 g 39 g Apper of mounting Apper of mounting Apper of mounting Apper of mounting Apper of materials Apper on materials Apper on materials Apper on material	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
mact energy in the end positions 2.5 J Cushioning length 31 mm 4418 N Anoving mass at 6 bar, retracting Anoving mass at 0 mm stroke Additional weight per 10 mm stroke Additional moving mass per 10 mm stroke Anounting Appendix Material Service and a strong mass per 10 mm stroke Anounting Anou	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Sushioning length Theoretical force at 6 bar, retracting Advancing Avoing mass at 0 mm stroke Additional weight per 10 mm stroke Basic weight with 0 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Avoing mass per 10 mm stroke Basic weight with 0 mm stroke Additional moving mass per 10 mm stroke Avoing mass per 10 mm stroke Basic weight with 0 mm s	Ambient temperature	-20 °C 80 °C
Theoretical force at 6 bar, retracting 4418 N Avoing mass at 0 mm stroke 1000 g Additional weight per 10 mm stroke 3665 g Additional moving mass per 10 mm stroke 39 g Additional moving mass per 10 mm stroke 39 g Avoing mass per 10 mm stroke 30 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke Avoing mass per 10 mm stroke 101 g 30 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke 102 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke 103 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke 101 g 30 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke 102 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke 104 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke 102 ptionally: With internal thread With accessories Avoing mass per 10 mm stroke 104 ptionally: 105 ptionally: 106 ptionally: 107 ptionally: 108 ptionally: 109 ptionally: 109 ptionally: 100 ptionally: 100 ptionally: 100 ptionally: 101 ptionally: 102 ptionally: 103 ptionally: 104 ptionally: 105 ptionally: 106 ptionally: 107 ptionally: 108 ptionally: 109 ptionally: 109 ptionally: 100 p	Impact energy in the end positions	2.5 J
African force at 6 bar, advancing Aoving mass at 0 mm stroke Additional weight per 10 mm stroke Basic weight with 0 mm stroke Additional moving mass per 10	Cushioning length	31 mm
Moving mass at 0 mm stroke Inditional weight per 10 mm stroke Inditional weight per 10 mm stroke Inditional moving mass per 10 mm stroke Inditional moving m	Theoretical force at 6 bar, retracting	4418 N
Additional weight per 10 mm stroke Basic weight with 0 mm stroke Additional moving mass per 10 mm stroke Supple of mounting Supple of mounting Optionally: With internal thread With accessories Oneumatic connection G1/2 Rote on materials Cover material Die-cast aluminum, coated Diston seal material Dieton Material of piston Wrought aluminum alloy	Theoretical force at 6 bar, advancing	4712 N
Sasic weight with 0 mm stroke 3665 g Additional moving mass per 10 mm stroke 39 g Optionally: With internal thread With accessories Preumatic connection G1/2 Rote on materials RoHS-compliant Cover material Die-cast aluminum, coated Piston seal material TPE-U(PU) Material of piston Wrought aluminum alloy	Moving mass at 0 mm stroke	1000 g
Additional moving mass per 10 mm stroke 39 g Optionally: With internal thread With accessories Preumatic connection G1/2 Note on materials ROHS-compliant Cover material Die-cast aluminum, coated Piston seal material TPE-U(PU) Material of piston Wrought aluminum alloy	Additional weight per 10 mm stroke	101 g
Optionally: With internal thread With accessories Pneumatic connection G1/2 Note on materials Cover material Die-cast aluminum, coated Piston seal material Dieston Wrought aluminum alloy	Basic weight with 0 mm stroke	3665 g
With internal thread With accessories Preumatic connection G1/2 Note on materials ROHS-compliant Cover material Die-cast aluminum, coated Piston seal material TPE-U(PU) Material of piston Wrought aluminum alloy	Additional moving mass per 10 mm stroke	39 g
RoHS-compliant Cover material Die-cast aluminum, coated Piston seal material TPE-U(PU) Waterial of piston Wrought aluminum alloy	Type of mounting	With internal thread
Cover material Die-cast aluminum, coated Piston seal material TPE-U(PU) Material of piston Wrought aluminum alloy	Pneumatic connection	G1/2
Piston seal material TPE-U(PU) Material of piston Wrought aluminum alloy	Note on materials	RoHS-compliant
Material of piston Wrought aluminum alloy	Cover material	Die-cast aluminum, coated
	Piston seal material	TPE-U(PU)
riston rod material High-alloy steel	Material of piston	Wrought aluminum alloy
	Piston rod material	High-alloy steel

Feature	Value
Piston rod wiper seal material	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushion piston material	РОМ
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized
Nut material	Steel, galvanized
Material of bearing	РОМ
Flange screws material	Steel, galvanized