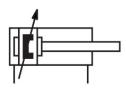
ISO cylinder DSBC-63-500-PPVA-N3

Part number: 1383589





Data sheet

| Piston diameter63 mmPiston diameter63 mmPiston rod threadM16x1.5CushioningPneumatic cushioning, adjustable at both endsAounting positionoptionalConforms to standardISO 15552Viston-rod endMale threadDesignPistonPiston rodProfile barrelPosition detectionVia proximity switchAriantsPiston rod a one endOperating pressure0.04 MPa1.2 MPaAdde of operationDouble-actingOperating and pilot mediumCompressed air to ISO 8573-1:2010[7:4:4]Viae on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 · Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mm'heoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NMoving mass for 0 mm stroke430 gAdving mass for 0 mm stroke25 gProduct weight4840 gSaic weight for 0 mm stroke1740 g | Feature | Value |
|--|--|---|
| Piston rod threadM16x1.5CushioningPneumatic cushioning, adjustable at both endsAdounting positionoptionalConforms to standardISO 15552Piston-rod endMale threadDesignPiston Piston rod Profile barrelPosition detectionVia proximity switchAriantsPiston rod at one endOperating pressure0.04 MPa1.2 MPa 0.4 bar12 barAdole of operationDouble-actingOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Vote on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 Noderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature mpact energy in end positions1.3 JCushioning length22 mmCheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1680 gAdoving mass1680 gAdoving mass for 0 mm stroke430 gAdoving mass for 0 mm stroke25 §Product weight2480 g | Stroke | 500 mm |
| And the treeAutoringPneumatic cushioning, adjustable at both endsMounting positionoptionalConforms to standardISO 15552Piston-rod endMale threadPesignPistonPistonPiston rodProfile barrelPosition rodVosition detectionVia proximity switchArriantsPiston rod at one endOperating pressure0.04 MPa1.2 MPaAdde of operationDouble-actingOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JLushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NAdving mass1680 gAdving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Piston diameter | 63 mm |
| Aduunting positionoptionalConforms to standardISO 15552Piston rod endMale threadPistonPistonPiston rodProfile barrelPosition detectionVia proximity switchArriantsPiston rod at one endOperating pressure0.04 MPa1.2 MPaAdde of operationDouble-actingOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation whill always be required)Corrosion resistance class CRC2 - Moderate corrosion stressAABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JLustioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NAdving mass1680 gAdving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Piston rod thread | M16x1.5 |
| Conforms to standardISO 15552Piston-rod endMale threadDesignPiston Piston rod Profile barrelPosition detectionVia proximity switchAriantsPiston rod at one endOperating pressure0.04 MPa1.2 MPa 0.4 bar12 barAdde of operationDouble-acting Ouble-actingOperating and pilot mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 · Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mm"heoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NAdoring mass1680 gAdving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Cushioning | Pneumatic cushioning, adjustable at both ends |
| DesignNaturePistonPistonPiston rodProfile barrelPosition detectionVia proximity switchAriantsPiston rod at one endOperating pressure0.04 MPa1.2 MPa 0.4 bar12 barMode of operationDouble-actingOperating and pilot mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushoing length22 mm'heoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NAdving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Mounting position | optional |
| DesignPiston Piston rod Profile barrelDesignPiston rod Profile barrelPosition detectionVia proximity switch/ariantsPiston rod at one endOperating pressure0.4 MPa1.2 MPa 0.4 bar12 barAdde of operationDouble-actingOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 · Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JLushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NAdving mass1680 gAdving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Conforms to standard | ISO 15552 |
| Piston rod Profile barrelPosition detectionVia proximity switch/ariantsPiston rod at one endOperating pressure0.4 bar12 MPa 0.4 bar12 bar/Adde of operationDouble-actingOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JLubrioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1680 gAdving mass1680 gAdving mass for 0 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Piston-rod end | Male thread |
| AriantsPiston rod at one endOperating pressure0.04 MPa1.2 MPa 0.4 bar12 barMode of operationDouble-actingOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JLushioning length22 mm'heoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 N'heoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke430 gYadditional moving mass per 10 mm stroke25 g'Product weight4840 gBasic weight for 0 mm stroke1740 g | Design | Piston rod |
| Operating pressure0.04 MPa1.2 MPa 0.4 bar12 barMode of operationDouble-actingOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mm'heoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NMoving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Position detection | Via proximity switch |
| 0.4 bar12 barMode of operationDouble-actingDeperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mm'heoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 N'heoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke25 g'Product weight4840 gBasic weight for 0 mm stroke1740 g | Variants | Piston rod at one end |
| Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NTheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Operating pressure | |
| Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressCABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NTheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Mode of operation | Double-acting |
| always be required)Corrosion resistance class CRC2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NTheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| ABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NTheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke25 gProduct weight25 gProduct weight for 0 mm stroke1740 g | Note on operating and pilot medium | |
| Ambient temperature-20 °C80 °Cmpact energy in end positions1.3 JCushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NTheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| Impact energy in end positions1.3 JCushioning length22 mmTheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NTheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cushioning length22 mmCushioning length22 mmCheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NCheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Ambient temperature | -20 °C80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke1682 NTheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Impact energy in end positions | 1.3] |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke1870 NMoving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Cushioning length | 22 mm |
| Moving mass1680 gMoving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 1682 N |
| Moving mass for 0 mm stroke430 gAdditional moving mass per 10 mm stroke25 gProduct weight4840 gBasic weight for 0 mm stroke1740 g | Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1870 N |
| Additional moving mass per 10 mm stroke 25 g Product weight 4840 g Basic weight for 0 mm stroke 1740 g | Moving mass | 1680 g |
| Product weight 4840 g Basic weight for 0 mm stroke 1740 g | Moving mass for 0 mm stroke | 430 g |
| Basic weight for 0 mm stroke 1740 g | Additional moving mass per 10 mm stroke | 25 g |
| | Product weight | 4840 g |
| \dditional weight per 10 mm stroke 62 g | Basic weight for 0 mm stroke | 1740 g |
| | Additional weight per 10 mm stroke | 62 g |

FESTO

| Feature | Value |
|---------------------------|--|
| Type of mounting | Via female thread With accessories Either: |
| Pneumatic connection | G3/8 |
| Note on materials | RoHS-compliant |
| Material cover | Die-cast aluminium, coated |
| Material piston seal | TPE-U(PU) |
| Material piston | Wrought aluminium alloy |
| Material piston rod | High-alloy steel |
| Material piston rod wiper | TPE-U(PU) |
| Buffer seal material | TPE-U(PU) |
| Cushioning boss material | POM |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |
| Material nut | Galvanised steel |
| Material bearing | POM |
| Material collar screws | Galvanised steel |