Short-stroke cylinder ADVC-25-10-I-P-A Part number: 188173







Data sheet

| Piston diameter 25 mm Cushioning Elastic cushioning rings/pads at both ends Mounting position Any Double-acting Piston Piston rod Position sensing Piston rod Position sensing Por proximity sensor Operating pressure 0.1 MPa 1 MPa 1 har 10 bar 1 har 10 bar 1 har 10 bar 1 has 145 psi 14 | Feature | Value |
|---|--|--|
| Elastic cushioning Elastic cushioning rings/pads at both ends Mounting position Any Mode of operation Double-acting Piston Structural design Piston rod Position sensing Piston rod Position sensing For proximity sensor Operating pressure O.1 MPa1 MPa 1 bar10 bar 145. psi145 psi 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) Operating resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L What Interpetature 20°C80°C Theoretical force at 6 bar, retracting 247 N Theoretical force at 6 bar, advancing 295 N Woving mass at 0 mm stroke 49 g Woving mass at 0 mm stroke 6 g Product weight 160 g Sasic weight with 0 mm stroke 134 g Additional moving mass per 10 mm stroke 149 g With through-hole with according With through-hole with accessories Optionally: Operating Interval Inter | Stroke | 10 mm |
| Mounting position Mode of operation Double-acting Piston Piston nesing Position sensing Operating pressure Operating pressure Operating medium Operating and pilot media Operation resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature Officeretical force at 6 bar, retracting Moving mass Moving mass at 0 mm stroke Operating mass per 10 mm stroke Operating stroke Operating with in the mounting Operating Operating Operating Operating Operating Operating Operating Operating with one Operating with one Operating | Piston diameter | 25 mm |
| Double-acting Structural design Piston rod Position sensing Pro proximity sensor Operating pressure Operating pressure 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) Operation resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature - 20 °C80 °C Theoretical force at 6 bar, retracting Moving mass Moving mass Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke 134 g Sasic weight with 0 mm stroke 134 g Volumenting With through-hole With accessories Optionally: Oncer material Operation modified Wrought aluminum alloy Anodized | Cushioning | Elastic cushioning rings/pads at both ends |
| Piston Piston responsibility sensor Operating pressure On MPa1 MPa | Mounting position | Any |
| Piston rod Position sensing For proximity sensor On IMPa1 MPa 1 bar10 bar 1 4.5 psi145 psi 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) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature - 20 °C80 °C Operating medium Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for a late of possible (requir | Mode of operation | Double-acting |
| Operating pressure O.1 MPa1 MPa 1 bar10 bar 1 4.5 psi145 psi 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) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting 447 N Theoretical force at 6 bar, advancing 295 N Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 134 g Additional weight per 10 mm stroke With through-hole With accessories Optionally: Preumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized | Structural design | |
| 1 bar10 bar 14.5 psi145 psi 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) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 20°C80°C Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Sp 5 N Moving mass Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke Moving mounting With through-hole With accessories Optionally: Pheumatic connection M5 Note on materials Fover material Wrought aluminum alloy Anodized | Position sensing | For proximity sensor |
| Information on operating and pilot media Operation with oil lubrication possible (required for further use) I - Low corrosion stress VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Woving mass Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Product weight Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke With accessories Optionally: Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Anodized Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress 1 - Low corrosion stress VDMA24364-B1/B2-L -20 °C80 °C -20 °C80 °C -247 N -295 N -35 g -36 g -37 g -38 g -38 g -38 g -38 g -39 g -39 g -30 | Operating pressure | 1 bar10 bar |
| Torrosion resistance class (CRC) 1 - Low corrosion stress VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting 247 N Theoretical force at 6 bar, advancing 295 N Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 4 g With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Anodized | Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| ABS (PWIS) conformity Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting 247 N Theoretical force at 6 bar, advancing 295 N Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 4 g With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Anodized | Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting 247 N Theoretical force at 6 bar, advancing 295 N Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 34 g Type of mounting With through-hole With accessories Optionally: Preumatic connection M5 Note on materials ROHS-compliant Wrought aluminum alloy Anodized | Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing 295 N Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 34 g Type of mounting With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials Cover material Wrought aluminum alloy Anodized | LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Theoretical force at 6 bar, advancing Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized | Ambient temperature | -20 °C80 °C |
| Moving mass 35 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 34 g Type of mounting With through-hole With accessories Optionally: Preumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Anodized | Theoretical force at 6 bar, retracting | 247 N |
| Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Froduct weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke 134 g Moditional weight per 10 mm stroke With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized | Theoretical force at 6 bar, advancing | 295 N |
| Additional moving mass per 10 mm stroke Froduct weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke With through-hole With accessories Optionally: Pneumatic connection M5 RoHS-compliant Wrought aluminum alloy Anodized | Moving mass | 35 g |
| Product weight 160 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 34 g Type of mounting With through-hole With accessories Optionally: Preumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Anodized | Moving mass at 0 mm stroke | 29 g |
| Basic weight with 0 mm stroke Additional weight per 10 mm stroke Type of mounting With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized | Additional moving mass per 10 mm stroke | 6 g |
| Additional weight per 10 mm stroke Type of mounting With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized | Product weight | 160 g |
| Fype of mounting With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized | Basic weight with 0 mm stroke | 134 g |
| With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Anodized | Additional weight per 10 mm stroke | 34 g |
| Note on materials RoHS-compliant Wrought aluminum alloy Anodized | Type of mounting | With accessories |
| Cover material Wrought aluminum alloy Anodized | Pneumatic connection | M5 |
| Anodized | Note on materials | RoHS-compliant |
| Seals material TPE-U(PU) | Cover material | |
| | Seals material | TPE-U(PU) |

| Feature | Value |
|---------------------|------------------------------------|
| | Wrought aluminum alloy Anodized |
| Piston rod material | High-alloy steel |