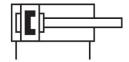
## Short-stroke cylinder ADVC-25-20-A-P-A Part number: 188185







## **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 har 10 bar 1 har 14.5 psi 145 psi  Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]  Operating on operating and pilot media Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC) 1 - Low corrosion stress  ABS (PWIS) conformity VDMA24364-81/82-1  Ambient temperature -20 °C80 °C  Theoretical force at 6 bar, retracting 247 N  Theoretical force at 6 bar, advancing 295 N  Moving mass at 0 mm stroke 29 g  Moditional moving mass per 10 mm stroke 6 g  Product weight 200 g  Basic weight with 0 mm stroke 34 g  Midditional moving mass per 10 mm stroke 34 g  Midditional weight per 10 mm stroke 34 g  Midditional weight per 10 mm stroke 34 g  Moderon materials Roles-compliant  Wrought aluminum alloy Anodized	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 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 Whibeint temperature -20 °C80 °C Theoretical force at 6 bar, advancing 295 N Woving mass at 0 mm stroke Woving mass at 0 mm stroke 6 g Woving mass at 0 mm stroke 6 g Product weight 200 g Sasic weight with 0 mm stroke 134 g Widditional moving mass per 10 mm stroke 149 g Widditional weight per 10 mm stroke 149 g Widditional weight per 10 mm stroke 149 g With through-hole with acceptable of the product of the period of t	Stroke	20 mm
Mounting position Mode of operation Double-acting Piston Piston n Piston rod Position sensing Doperating pressure O.1 MPa1 MPa 1 bar10 bar 1 4.5 psi145 psi 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) Doperating resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 20 °C80 °C Informatical force at 6 bar, retracting Aboving mass 41 g Moving mass 41 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 200 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke 134 g With through-hole With accessories Optionally: Dover material Wrought aluminum alloy Anodized Wrought aluminum alloy Anodized	Piston diameter	25 mm
Double-acting  Structural design  Piston rod  Piston rod  Position sensing  For proximity sensor  Operating pressure  Operating pressure  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  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  41 g  Moving mass at 0 mm stroke  29 g  Additional moving mass per 10 mm stroke  429 g  Additional moving mass per 10 mm stroke  134 g  Sasic weight with 0 mm stroke  134 g  Wolth through-hole  With accessories  Optionally:  Once material  Operation and Piston  Property and Property and Piston  Worth accessories  Optionally:  Once material  Operation red  Property and P	Cushioning	Elastic cushioning rings/pads at both ends
Piston Piston resorting Piston resorting Piston resorting Piston resorting pressure O.1 MPa1 MPa 1 bar10 bar 14.5 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 Operating with oil resorting of the pressure of the ore time of the pressure of th	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  Woving mass  41 g  Moving mass at 0 mm stroke  29 g  Additional moving mass per 10 mm stroke  Product weight  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  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 Moving mass 41 g Moving mass 41 g Moving mass at 0 mm stroke 29 g Additional moving mass per 10 mm stroke 6 g Product weight 200 g Basic weight with 0 mm stroke 134 g Additional weight per 10 mm stroke With accessories Optionally: Preumatic connection M5 Note on materials Cover material Wrought aluminum alloy Anodized 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 41 g  Woving mass at 0 mm stroke Additional moving mass per 10 mm stroke Product weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke  If ye of mounting  Presentation  Wover on materials  RoHS-compliant  Wrought aluminum alloy Anodized  Wrought aluminum alloy Anodized	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  41 g  Moving mass at 0 mm stroke  29 g  Additional moving mass per 10 mm stroke  Product weight  Basic weight with 0 mm stroke  134 g  Additional weight per 10 mm stroke  434 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  41 g  Moving mass at 0 mm stroke  29 g  Additional moving mass per 10 mm stroke  Product 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:  Preumatic connection  M5  Note on materials  RoHS-compliant  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  41 g  Moving mass at 0 mm stroke  29 g  Additional moving mass per 10 mm stroke  6 g  Product weight  200 g  Basic weight with 0 mm stroke  134 g  Additional weight per 10 mm stroke  134 g  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  41 g  Moving mass at 0 mm stroke  29 g  Additional moving mass per 10 mm stroke  6 g  Product weight  200 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:  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  41 g  Moving mass at 0 mm stroke  29 g  Additional moving mass per 10 mm stroke  6 g  Product weight  200 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 41 g  Moving mass at 0 mm stroke 29 g  Additional moving mass per 10 mm stroke 6 g  Product weight 200 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	41 g
Product weight 200 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	200 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