Short-stroke cylinder ADVC-20-25-A-P-A Part number: 188154







Data sheet

20 mm Cushioning Elastic cushioning rings/pads at both ends Mounting position Any Mode of operation Double-acting Piston Piston rod Position sensing Operating pressure 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 on operating and pilot media Operation with oil lubrication possible (required for further use) Orrosion resistance class (CRC) 1 - Low corrosion stress ASE (PWIS) conformity VDMA24364-81/B2-L Ambient temperature -20°C80°C Theoretical force at 6 bar, retracting 141 N Avoing mass at 0 mm stroke 03 8 8 Additional moving mass per 10 mm stroke 105 g Additional moving mass per 10 mm stroke 105 g Additional moving mass per 10 mm stroke 106 g Operation with oil ubrication possible (required for further use) 178 g Operating medium 178 g Operating medium 189 N Moving mass 18 g Operating medium 178 g Operating medium 179 g Operation medium 179 g Operation medium 179 g Operation medium 179 g Operation med	Feature	Value
Elastic cushioning ings/pads at both ends Mounting position Any Mode of operation Double-acting Piston Piston Piston Piston Piston on Piston on Piston Piston on Piston Piston on Piston on Piston on Piston on Piston on Piston on Piston Piston on Piston on Piston Piston on Piston Pi	Stroke	25 mm
Mounting position Mode of operation Double-acting Piston Piston Piston Piston Piston Piston Position sensing Poperating 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) Operating resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Vambient temperature 20 °C80 °C Heoretical force at 6 bar, retracting 141 N Moving mass Moving mass at 0 mm stroke 23 g Moditional moving mass per 10 mm stroke 6 g Product weight 178 g Sasic weight with 0 mm stroke 105 g Moditional weight per 10 mm stroke 105 g Moditional weight per 10 mm stroke 105 g Moditional weight per 10 mm stroke Moditional weight per 10 mm st	Piston diameter	20 mm
Double-acting Bructural design Piston Piston rod Position sensing Departing pressure Operating pressure Operating medium 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-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting Moving mass Moving mass Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke Product weight 178 g Basic weight with 0 mm stroke 30 g Word of mounting With through-hole With accessories Optionally: Double-acting Product weight Abditional connection M5 Roberon materials Double-acting Piston Posimity sensor Operating Piston Pis	Cushioning	Elastic cushioning rings/pads at both ends
Piston Piston red Position sensing Position sensition on operating and pilot media Position resistance class (CRC) Position r	Mounting position	Any
Piston rod Position sensing Por 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 Cheoretical force at 6 bar, retracting 141 N Cheoretical force at 6 bar, advancing 189 N Oving mass Woving mass at 0 mm stroke 23 g Woving mass at 0 mm stroke 6 g Product weight 178 g Sasic weight with 0 mm stroke 105 g Midditional weight per 10 mm stroke 105 g With through-hole With accessories Optionally: Operating the product of t	Mode of operation	Double-acting
Operating 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] 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 141 N Theoretical force at 6 bar, advancing 189 N Moving mass 38 g Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Moditional weight per 10 mm stroke 10	Structural design	
1 bar10 bar 14.5 psi145 psi Deparating 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) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 20°C80°C Theoretical force at 6 bar, retracting 141 N Theoretical force at 6 bar, advancing Moving mass 38 g Moving mass Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Moditional weight per 10 mm stroke 105 g	Position sensing	For proximity sensor
Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting 141 N Theoretical force at 6 bar, advancing Moving mass 88 g Moving mass at 0 mm stroke 23 g Moving mass at 0 mm stroke 6 g Product weight 178 g Basic weight with 0 mm stroke 105 g Moditional weight per 10 mm stroke 105 g Moditional weight per 10 mm stroke 105 g Moditional weight per 10 mm stroke 106 g Moditional weight per 10 mm stroke 107 g Moditional weight per 10 mm stroke 108 g Moditional weight per 10 mm stroke 109 g Moditional weight per 10 mm stroke 100 g Moditio	Operating pressure	1 bar10 bar
Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting 141 N Theoretical force at 6 bar, advancing Moving mass 38 g Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Optionally: Preumatic connection M5 Note on materials RoHS-compliant 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 141 N Theoretical force at 6 bar, advancing Moving mass 38 g Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting 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 141 N Theoretical force at 6 bar, advancing Moving mass 38 g Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Optionally: Pneumatic 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 Theoretical force at 6 bar, retracting Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Theoretical force at 6 bar, a	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 6 bar, advancing Moving mass 38 g Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 178 g Additional weight per 10 mm stroke 105 g Additional weight per 10 mm stroke With through-hole With accessories Optionally: Pneumatic connection M5 RoHS-compliant Cover material Wrought aluminum alloy Anodized	Ambient temperature	-20 °C80 °C
Moving mass 38 g Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Anodized	Theoretical force at 6 bar, retracting	141 N
Moving mass at 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Optionally: Pneumatic connection M5 Rote on materials RoHS-compliant Wrought aluminum alloy Anodized	Theoretical force at 6 bar, advancing	189 N
Additional moving mass per 10 mm stroke Froduct weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke Type of mounting With through-hole With accessories Optionally: Preumatic connection M5 RoHS-compliant Cover material Wrought aluminum alloy Anodized	Moving mass	38 g
Product weight 178 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 30 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	23 g
Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Cover material 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: Preumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized	Product weight	178 g
With through-hole With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Wrought aluminum alloy Anodized	Basic weight with 0 mm stroke	105 g
With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Anodized	Additional weight per 10 mm stroke	30 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