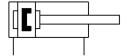
Short-stroke cylinder ADVC-50-20-A-P-A Part number: 188270

FESTO





Data sheet

Sign of diameter 50 mm Joseph of Standard 150 6431 Hole pattern vDMA 24562 Elastic cushioning Elastic cushioning rings/plates at both ends optional optional position optional Double-acting Double-acting Double-acting Piston Piston rod Position detection Via proximity switch Operating pressure O.0.6 MPa 1 MPa Operating pressure O.6.6 bar 10 bar Operating pressure O.6.6 bar 10 bar Operating pressure O.9 parting O.	Feature	Value
Sased on standard ISO 6431 Hole pattern VDMA 24562 Cushioning Elastic cushioning rings/plates at both ends Wounting position Optional Mode of operation Double-acting Piston Piston Piston rod Piston rod Piston rod Piston rod Operating pressure Operating pressure Operating pressure Operating pressure Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Corrosion resistance class CRC I-Low corrosion stress CABS (PWIS) conformity VDMA24364-B1/82-L Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Inferoretical force at 0.6 MPa (6	Stroke	20 mm
Hole pattern VDMA 24562 Cushioning Elastic cushioning rings/plates at both ends Mounting position optional Opuble-acting Piston Piston ord Position detection Via proximity switch Operating pressure 0.06 MPa 1 MPa Operating pressure 0.66 MPa 1 Dear 1 Operating medium Competing medium Competing and pilot medium always be required) Corrosion resistance class CRC 1 - Low corrosion stress CABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 ps), return stroke 1178 N Moving mass for 0 mm stroke 99 g Meditional works and should be supposed on the stroke 1431 g Meditional weight per 10 mm stroke 431 g Motion on materials Meterial cover Meterials Were of materials Meterial cover Meterials Meterial cover Meditation and so optional meterials Mounting position optional principle at both ends position detection position of piston of pis	Piston diameter	50 mm
Mounting position Mode of operation Double-acting Piston Piston Piston received with a case of the presence	Based on standard	Hole pattern
Double-acting Piston rod Position detection Piston rod Position detection Via proximity switch Operating pressure Operating and pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1- Low corrosion stress VDMA24364-B1/B2-L ABS (PWIS) conformity VDMA24364-B1/B2-L ABS (PWIS) conformity VDMA24364-B1/B2-L ABS (PWIS) conformity VDMA24364-B1/B2-L ABS (PWIS) conformity Over pressure Operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in w	Cushioning	Elastic cushioning rings/plates at both ends
Piston Piston received Properties Piston rown Piston R	Mounting position	optional
Piston rod Position detection Via proximity switch Operating pressure O.06 MPa 1 MPa Operating pressure O.6 bar 10 bar Operating pressure Operating pressure Operating pressure Operating pressure Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature - 20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 1057 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass 123 g Moving mass for 0 mm stroke Additional moving mass per 10 mm stroke 16 g Product weight 528 g 3asic weight for 0 mm stroke 431 g Modifional weight per 10 mm stroke 56 g Type of mounting Either: With through-hole With accessories Operating pressure One of materials Waterial cover Wrought aluminium alloy Anodised	Mode of operation	Double-acting Double-acting
Symbol 00991217 Operating pressure 0.06 MPa 1 MPa Operating pressure 0.6 bar 10 bar Operating pressure 8.7 psi 145 psi Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1- Low corrosion stress CABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 1057 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 1178 N Moving mass Moving mass for 0 mm stroke 99 g Additional moving mass per 10 mm stroke 16 g Sasic weight for 0 mm stroke 431 g Sasic weight for 0 mm stroke 431 g Sasic weight for 0 mm stroke 56 g Either: With through-hole With accessories Pneumatic connection G1/8 Note on materials Material cover Wrought aluminium alloy Anodised	Design	
Operating pressure Operating pressure Operating pressure Operating pressure Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operating nossible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.0 mm stroke Additional moving mass 123 g Woving mass for 0 mm stroke 16 g Product weight for 0 mm stroke 38 g Additional weight per 10 mm stroke 431 g Additional weight per 10 mm stroke 56 g Either: With through-hole With accessories Preumatic connection Note on materials Waterial cover Wrought aluminium alloy Anodised	Position detection	Via proximity switch
Deprating pressure Oberating pressure Operating pressure Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress CABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 7-20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass 123 g Moving mass for 0 mm stroke 4dditional moving mass per 10 mm stroke Product weight 528 g Additional weight per 10 mm stroke 431 g Additional weight per 10 mm stroke Fixe of mounting Either: With through-hole With accessories Preumatic connection On materials RoHS-compliant Waterial cover Wrought aluminium alloy Anodised	Symbol	00991217
Deprating pressure Deprating pressure Deprating medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Lubricated operation operation stress VDMA24364-B1/B2-L -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 1057 N 1178 N 123 g Moving mass for 0 mm stroke 99 g Additional moving mass per 10 mm stroke 16 g Product weight 528 g Additional weight for 0 mm stroke 431 g Additional weight per 10 mm stroke 431 g Additional weight per 10 mm stroke 56 g Either: With through-hole With accessories Preumatic connection Word on materials Material cover Wrought aluminium alloy Anodised	Operating pressure	0.06 MPa 1 MPa
Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress VDMA24364-B1/B2-L Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 1057 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 1178 N Moving mass 123 g Moving mass for 0 mm stroke 4dditional moving mass per 10 mm stroke 16 g Product weight 528 g Sasic weight for 0 mm stroke 431 g Additional weight per 10 mm stroke 56 g Fither: With through-hole With accessories Pneumatic connection G1/8 Note on materials Material cover Wrought aluminium alloy Anodised	Operating pressure	0.6 bar 10 bar
Note on operating and pilot medium Luricated operation possible (in which case lubricated operation will always be required) Lorrosion resistance class CRC 1 - Low corrosion stress VDMA24364-B1/B2-L Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return	Operating pressure	8.7 psi 145 psi
always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 mpa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 mpa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 mpa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 mpa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 mpa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 mpa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 mpa (7 mpa (7 mpa)) Theoretical force at 0.6 mpa (7 mpa) Theoretical force at 0.6 mpa	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 1178 N Moving mass 123 g Moving mass for 0 mm stroke 99 g Additional moving mass per 10 mm stroke Product weight 528 g Basic weight for 0 mm stroke 431 g Additional weight per 10 mm stroke Fype of mounting Either: With through-hole With accessories Preumatic connection 61/8 Note on materials Material cover Wrought aluminium alloy Anodised	Note on operating and pilot medium	
Ambient temperature -20 °C 80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 1057 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 1178 N Moving mass 123 g Moving mass for 0 mm stroke 99 g Additional moving mass per 10 mm stroke 16 g Product weight 528 g Basic weight for 0 mm stroke 431 g Additional weight per 10 mm stroke 56 g Type of mounting Either: With through-hole With accessories Preumatic connection 61/8 Note on materials Material cover Wrought aluminium alloy Anodised	Corrosion resistance class CRC	1 - Low corrosion stress
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (6 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), return stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (8 bar, 87 psi), advance stroke To substitute the force at 0.6 MPa (LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass 123 g Moving mass for 0 mm stroke 99 g Additional moving mass per 10 mm stroke 16 g Product weight 528 g Basic weight for 0 mm stroke 431 g Additional weight per 10 mm stroke Figure of mounting Either: With through-hole With accessories Pneumatic connection G1/8 Note on materials Material cover Wrought aluminium alloy Anodised	Ambient temperature	-20 ℃ 80 ℃
Moving mass Moving mass for 0 mm stroke 99 g Additional moving mass per 10 mm stroke 16 g Product weight 528 g Basic weight for 0 mm stroke 431 g Additional weight per 10 mm stroke 56 g Fype of mounting Either: With through-hole With accessories Pneumatic connection G1/8 Note on materials Material cover Wrought aluminium alloy Anodised	Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1057 N
Moving mass for 0 mm stroke Additional moving mass per 10 mm stroke Product weight 528 g Basic weight for 0 mm stroke 431 g Additional weight per 10 mm stroke 56 g Type of mounting Either: With through-hole With accessories Pneumatic connection G1/8 Note on materials Material cover Wrought aluminium alloy Anodised	Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Additional moving mass per 10 mm stroke Product weight S28 g Basic weight for 0 mm stroke Additional weight per 10 mm stroke For mounting For mounting	Moving mass	123 g
Product weight 528 g Basic weight for 0 mm stroke 431 g Additional weight per 10 mm stroke 56 g Type of mounting Either: With through-hole With accessories Pneumatic connection G1/8 Note on materials RoHS-compliant Material cover Wrought aluminium alloy Anodised	Moving mass for 0 mm stroke	99 g
Basic weight for 0 mm stroke Additional weight per 10 mm stroke Figure of mounting Either: With through-hole With accessories Preumatic connection G1/8 Note on materials RoHS-compliant Wrought aluminium alloy Anodised	Additional moving mass per 10 mm stroke	16 g
Additional weight per 10 mm stroke 56 g Type of mounting Either: With through-hole With accessories Pneumatic connection G1/8 Note on materials RoHS-compliant Wrought aluminium alloy Anodised	Product weight	528 g
Figure of mounting Either: With through-hole With accessories Pneumatic connection G1/8 Note on materials RoHS-compliant Wrought aluminium alloy Anodised	Basic weight for 0 mm stroke	431 g
With through-hole With accessories Pneumatic connection G1/8 Note on materials RoHS-compliant Wrought aluminium alloy Anodised	Additional weight per 10 mm stroke	56 g
Note on materials RoHS-compliant Wrought aluminium alloy Anodised	Type of mounting	With through-hole
Material cover Wrought aluminium alloy Anodised	Pneumatic connection	G1/8
Anodised	Note on materials	RoHS-compliant
Material seals TPE-U(PU)	Material cover	
	Material seals	TPE-U(PU)

Feature	Value
	Wrought aluminium alloy Anodised
Material piston rod	High-alloy steel