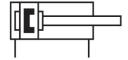
Compact cylinder ADN-50-25-A-P-A Part number: 536314





Data sheet

Stroke 25 mm Piston diameter 50 mm Piston rod thread M12x1.25 Cushioning Elastic cushioning rings/plates at both ends Mounting position optional Conforms to standard ISO 21287 Piston-rod end Male thread Position detection Via proximity switch Variants Piston rod at one end Operating pressure 0.06 MPa1 MPa 0.6 bar10 bar Mode of operation Double-acting Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]	Feature	Value
Piston rod thread M12x1.25 Cushioning Elastic cushioning rings/plates at both ends Optional Conforms to standard Piston-rod end Male thread Operating pressure Operating pressure Operating medium Note on operating and pilot medium Abient temperature Lubricated operation ossible (in which case lubricated operation walways be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity Abient temperature Impact energy in end positions 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 Product weight Openating With through-hole Via proximity With through-hole Via proximity With through-hole Via female thread With accessories Either: Pneumatic connection Material collar screws Motion materials Material collar screws Steel Material collar screws Motion materials Material collar screws Steel	Stroke	
Cushioning Elastic cushioning rings/plates at both ends Mounting position conforms to standard Position ded Position detection Via proximity switch Variants Piston rod at one end Operating pressure One MPa1 MPa One of operation Operating and pilot medium Lubricated operation possible (in which case lubricated operation was always be required) Corrosion resistance class CRC LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 204 g Product weight Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials Material collar screws Steel	Piston diameter	50 mm
Mounting position optional Conforms to standard ISO 21287 Piston-rod end Male thread Position detection Via proximity switch Variants Piston rod at one end Operating pressure 0.06 MPa1 MPa 0.6 bar10 bar Mode of operation Double-acting 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 with always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1J 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 204 g Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	Piston rod thread	M12x1.25
Conforms to standard Piston-rod end Male thread Position detection Via proximity switch Variants Piston rod at one end Operating pressure O,0.6 MPa1 MPa O,6 bar10 bar Mode of operation 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 w always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws	Cushioning	Elastic cushioning rings/plates at both ends
Conforms to standard Piston-rod end Male thread Position detection Via proximity switch Variants Piston rod at one end Operating pressure O,0.6 MPa1 MPa O,6 bar10 bar Mode of operation 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 w always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws	Mounting position	optional
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Operating pressure O.06 MPa1 MPa O.6 bar10 bar Mode of operation Double-acting 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 walways be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 204 g Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection 61/8 Note on materials RoHS-compliant Material collar screws	Position detection	Via proximity switch
Mode of operation Double-acting 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 walways be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 204 g Product weight 660 g Type of mounting With through-hole via female thread With accessories Either: Pneumatic connection 61/8 Note on materials RoHS-compliant Material collar screws	Variants	Piston rod at one end
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 walways be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 204 g Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials ROHS-compliant Material collar screws Steel	Operating pressure	
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation walways be required) Corrosion resistance class CRC LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature Inpact energy in end positions I J 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 Product weight Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Libricated operation possible (in which case lubricated operation walways be required) Lubricated operation possible (in which case lubricated operation walways be required) Lubricated operation valways be required) Lubricated operation valways be required) Lubricated operation walways be required) Lubricated operation valways be required) 2 · Moderate corrosion stress Labricated operation valways be required. 2 · Moderate corrosion stress Labricated operation valways be required. 2 · Moderate corrosion stress 1 J Lubricated operation valways be required. 2 · Moderate corrosion stress 1 J Lubricated operation valways be required. 2 · Moderate corrosion stress 1 J Lubricated operation valways be required. 2 · Moderate corrosion valways be required.	Mode of operation	Double-acting
always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 204 g Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
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Ambient temperature -20 °C80 °C Impact energy in end positions 1 J 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 204 g Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	Corrosion resistance class CRC	2 - Moderate corrosion stress
Impact energy in end positions 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 204 g Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	LABS (PWIS) conformity	VDMA24364-B1/B2-L
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 204 g Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	Ambient temperature	-20 °C80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass 204 g Product weight Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	Impact energy in end positions	1 J
Moving mass Product weight 660 g Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws	Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1057 N
Product weight Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws 660 g With through-hole Via female thread With accessories Either: Preumatic connection G1/8 RoHS-compliant	Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Type of mounting With through-hole Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	Moving mass	204 g
Via female thread With accessories Either: Pneumatic connection G1/8 Note on materials RoHS-compliant Material collar screws Steel	Product weight	660 g
Note on materials RoHS-compliant Material collar screws Steel	Type of mounting	Via female thread With accessories
Material collar screws Steel	Pneumatic connection	G1/8
	Note on materials	RoHS-compliant
Material cover Anodised wrought aluminium alloy	Material collar screws	Steel
	Material cover	Anodised wrought aluminium alloy
Material seals TPE-U(PUR)	Material seals	TPE-U(PUR)
Material piston rod High-alloy steel	Material piston rod	High-alloy steel

Feature	Value
Material cylinder barrel	Smooth-anodised wrought aluminium alloy