



Connection DIN 3337-F05 V

Technical Data

Construction : pneumatic double-piston quarter turn actuator
 Features : Rack-and-pinion system
 Angle of rotation : 90°
 Pressure range : min. 2 bar, max. 10 bar
 Operating medium : Dry and filtered compressed air or any non-aggressive gaseous medium
 Ambient temperature : -20°C up to +80°C
 Mounting position : Any
 Resistance to corrosion : Internal and external (operating conditions)
 Lubrication : permanent lubrication with lubricating grease DIN 51825-K2K-30
 Seals : Perbunan-o-rings, 70 Shore
 Coating :
 Housing: Hard anodized
 End cap: GLISS-COAT
 Weight [kg] :
 SAD 005 0,74
 SAF 005 0,9
 Stroke volume [dm³] :
 SAD 005 0,05
 SAF 005 0,05
 Operating time [sec] ¹⁾ :
 SAD 005 Open 0,08
 SAD 005 Shut 0,08
 SAF 005 Open 0,08
 SAF 005 Shut 0,08
 Maintenance and Inspection : AMG actuators are maintenance-free
 Provided that :
 • the actuator is properly mounted
 • the operating medium used is clean and non-aggressive
 • the actuator is operated under normal ambient conditions

1) Operating times at 4 bar operating pressure and without load (standard values)

Type	Torque M _A (Nm) at operating pressure p ₀										
	2,5 bar	3 bar	3,5 bar	4 bar	4,5 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
SAD 005	5,8	7,2	8,5	9,8	11,1	12,5	15,1	17,8	20,4	23,1	25,7

Type	SAF	n	p ₂	spring torque M _S (Nm)		Air torque M _A (Nm) at operating pressure p ₀																		
						2,5 bar		3 bar		3,5 bar		4 bar		4,5 bar		5 bar		6 bar		7 bar		8 bar		9 bar
				MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
005/4	2	3,9	5,9	3,5																				
005/6	2	6,2	9,9	5,5																				

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DIE PESCHGRUPPE



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AMG DOUBLE-PISTON QUARTER TURN ACTUATORS
TYPE SAD/SAF 005 F05V SW11 / 45