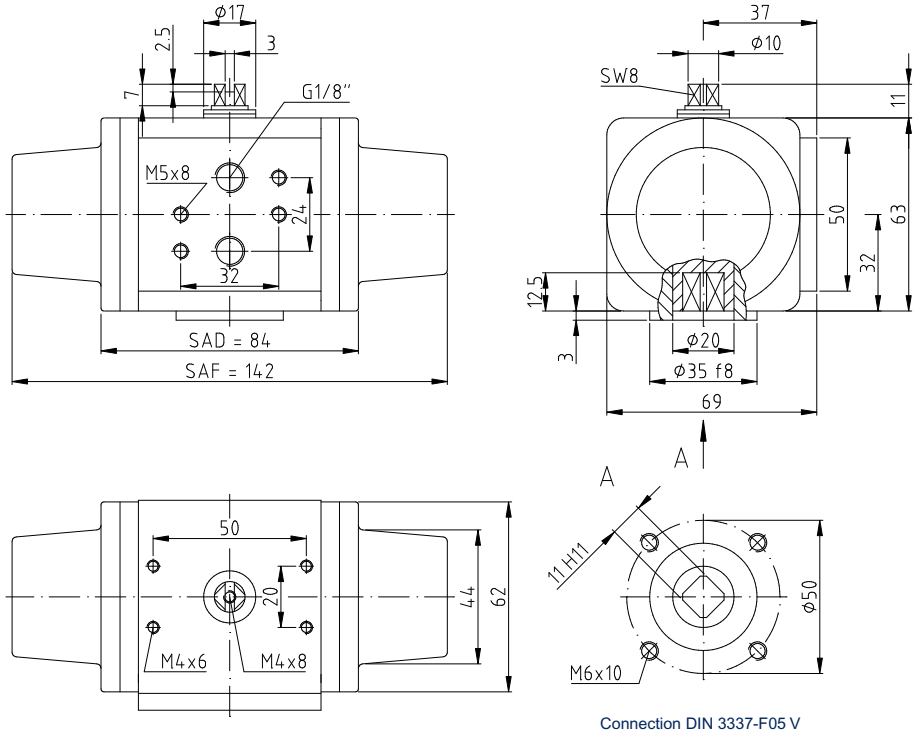

Connection DIN 3337-F05 V

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_e										
SAD	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
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_e																	
					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	MIN
005/4	2	3,9	5,9	3,5							6,0	3,7	7,4	5,0	8,7	6,3								
005/6	2	6,2	9,9	5,5													9,3	4,9	12,0	7,6	14,6	10,2	17,3	12,9

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