



SPRING RETURN DAMPER ACTUATORS (5 Nm)

DANxF

FUNCTION

On / Off spring return damper control.
The actuator opens the damper loading the return spring; with current cut-off the spring moves the damper in a safe position.

APPLICATIONS

Well-suited for applications with security dampers used as antifreeze, antismoke or for sealing in the hygienic-sanitary field.

TYPE	POWER SUPPLY	SIGNAL CONTROL
DAN24F	24 Vac/dc	On/Off
DAN24FS	24 Vac/dc	On/Off
DAN230F	230 Vac	On/Off
DAN230FS	230 Vac	On/Off

S models with 1 auxiliary switch

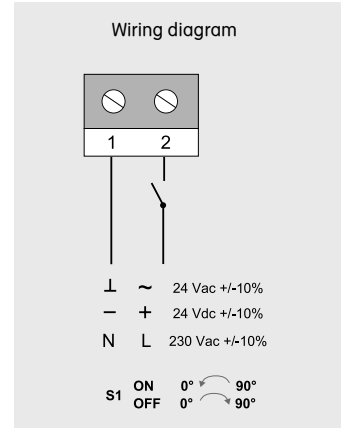
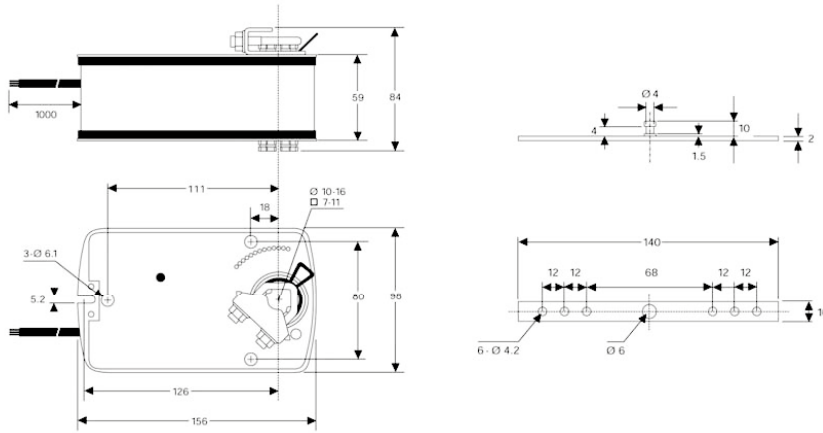
Actuator		DAN24F	DAN230F
Damper area (*)	m ²	1.0	1.0
Torque	Nm	5	5
Power supply	V	24 Vac/dc	230 Vac +/-10%
Frequency	Hz	50...60	50...60
Power consumption			
- operating	W	7.2	4.2
- at the end stops	W	2.5	2.5
For wire sizing	VA	10.0	10.0
Running time			
- motor	sec.	50...70	50...70
- spring back	sec.	< 20	<20
Weight	g	1800	1900
Control signal		2- point	2- point
Rotation angle:			
- operating		90° (95° mechanical)	90° (95° mechanical)
- limitation		5...85° in 5° steps	5...85° in 5° steps
Aux. switch rating		SPDT 3(1.5) A 230 Vac	SPDT 3(1.5) A 230 Vac
Protection class		II	II
Degree of protection		IP54	IP54
Room temperature		-20 ... +50°C	-20 ... +50°C
Room humidity		5...95% r.h.	5...95% r.h.
Noise level		max 45 dB	max 45 dB
Standards		CE	CE

(*) the indication of the damper area is not significant, the data that must be taken into account is the value of the torque in Nm..

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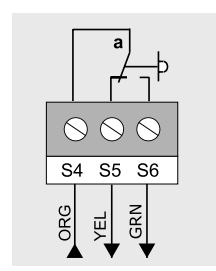
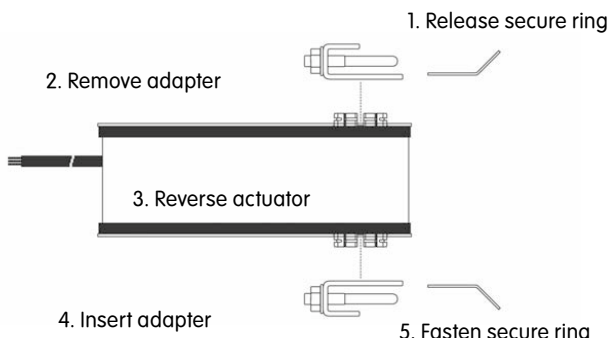
DANxF

DIMENSIONS (mm)



Direction of rotation setting

Fixed auxiliary switch 0°



ORG - orange
YEL - yellow
GRN - green

Limitation of rotation angle

For 5° to 45° (see fig. 1)

1. Loosen screw of the mechanical limiter plate.
2. Move the limiter plate to the appropriate position.
3. Tighten the screw.

For 45° to 85° (see fig. 2)

1. Release the secure ring of the adapter.
2. Remove the adapter and turn negative 45° as shown.
3. Insert adapter and secure the adapter ring.
4. Loosen screw of the mechanical limiter plate.
5. Move the limiter plate to the appropriate position.
6. Tighten the screw.

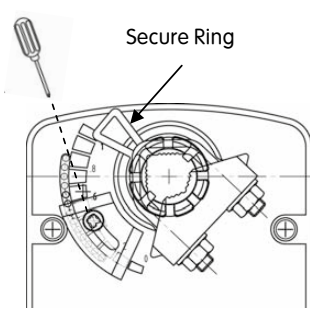


fig. 1

5° to 45° setting

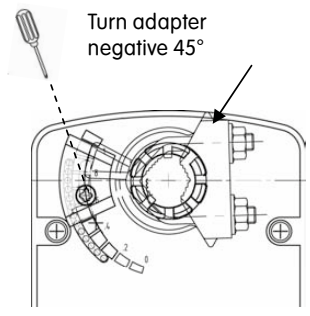


fig. 2

45° to 85° setting