

DA1.4F New generation 3 POINT spring-return actuators



**Universal, accurate
and reliable!**

The JOVENTA® Type DA1.4F(S) range of 3 POINT electric spring-return actuators has been specially designed to operate safety dampers, e.g. for frost protection, smoke extraction and sealing purposes. The actuators can be operated by control signals from controllers providing 3-point outputs (24 V AC/DC).

As the drive motor moves the damper to its normal operating position it also tensions the integral closing spring. If the electric power supply is interrupted for any reason, the stored energy in the spring immediately moves the damper to the safe position. The actuator can also be operated manually by means of a crank handle (e.g. when there is no power supply) to lock the damper in any required position. The locking is cancelled automatically when the actuator is operated electrically. The actuator can be mounted on damper spindles of up to 20 mm diameter and 16 mm square by means of a patented universal adapter system whose great advantage is that the actuator can always be mounted and connected in the same position. The direction of rotation of the return spring can be changed by simply reversing the adapter sleeve. The actuators are maintenance-free and power consumption at the holding positions is reduced to a minimum.

Type designations/Specifications/Technical data

DA1.4F	Spring-return damper actuator 24 V \approx 3-POINT
DA1.4FS	Spring-return damper actuator 24 V \approx 3-POINT with two auxiliary switches
DA1.4P1	Spring-return damper actuator 24 V \approx 3-POINT with feedback potentiometer 1000 Ω
DA1.4P2	Spring-return damper actuator 24 V \approx 3-POINT with feedback potentiometer 140 Ω

DA1.4F

Power supply	24 V AC \pm 20%/DC \pm 10%
Frequency	50...60 Hz
Power consumption, operating	8 W
For wire sizing	12 VA
Drive torque, min. (Nm)	16
Spring-return torque, min. (Nm)	16
Max. damper area (m ²)	4
Angle of rotation/working range	95° max. (mech. adjustable)
Angle of rotation/limiting	30...90° adjustable
Running time, drive ca. (s)	90
Running time, spring ca. (s)	10
Position indicator	mechanical
Protection class	II
Degree of protection	IP 44, IP 54 with Pg 11 cable gland (installer supply)
Auxiliary switch rating	3 (1,5) A 24 V
Ambient temperature range	-20° C...+ 50° C
Sound power level, max.	45 dB (A)
EMC	to EN 5008-1
Noise immunity	to EN 50082-2
Equipment specification	to EN 60204-1
Maintenance	maintenance-free
Weight	2900 g

Subject to technical modifications without notice.