

Product Application Reference Spring Return Damper Actuators

ESDO series Spring Return Damper Actuators



Summary

Enlenida is proud to offer the 08 Nm spring return damper actuator of the ESDO61...08(S) Nm Series designed specifically applications into the HVAC market, or light Industrial market and telecommunication module. Enlenida high quality spring return damper actuators Have been designed for use with air damper, butterfly valve, Characterized ball valve and globe valve with the use of special adapter.

Features

- For air control dampers up to approx. 1.5 m²
- Torque 8 Nm
- Nominal voltage AC/DC 24 V / AC 230 V
- Control 2 Point On/Off
- Universal adapter for easy direct mounting
- Shaft dimension Ø 8...21 mm / 6...15 mm square
- 40 mm minimum shaft length
- Anti - rotation bracket provided for stability
- Manual over ride by crank handle when required
- Adjustable angle of rotation, mechanical end stops
- 1 adjustable SPDT auxiliary switches when requested
- Actuators available with 1 m cable connection
- Customised version available, on request

Model Selection Table

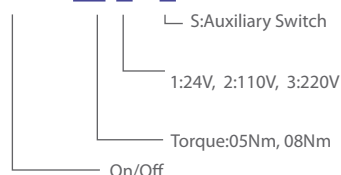
Torque	Running Time	Power Supply	Auxiliary Switches	Model/Type
8 Nm	70 sec	AC/DC 24 V	No	ESDO6108-1
	Springback < 25 sec		1 x SPDT	ESDO6108-1S
8 Nm	70 sec	AC 230 V ±10%	No	ESDO6108-3
	Springback < 25 sec		1 x SPDT	ESDO6108-3S

Technical Specifications

Model	ESDO6108-1(S)	ESDO6108--3(S)
Torque	8 Nm	8 Nm Damper
Size	1.5 m ²	1.5 m ²
Power Supply	AC/DC 24 V	AC 230 V
Frequency	50-60 Hz	50-60 Hz
Power Consumption		
– Operating	7.0 W	8.0 W
– At the end stops	2.0 W	5.5 W
For wire sizing	0 VA	0 VA
Auxiliary switch rating	3(1.5) A / AC 250 V	3(1.5) A / AC 250 V
Protection class	II	II
Control Signals	2 point On/Off	2 point On/Off
Angle of Rotation	-5...+90° (mechanical)	-5...+90° (mechanical)
Angle Limiting	Mechanical end stops	Mechanical end stops
Weight approx.	2.2 kg	2.3 kg
Life Cycle	60,000 rotation	60,000 rotation
Sound Level	Max. 45 dB(A)	Max. 45 dB(A)
IP Protection	IP54	IP54
Ambient Temperature	-20°...+50°C / IEC 721-3-3	-20°...+50°C / IEC 721-3-3
Inventory Temperature	-30°...+60°C / IEC 721-3-2	-30°...+60°C / IEC 721-3-2
Ambient Humidity	5...95% rH non condensing	5...95% rH non condensing
Maintenance	maintenance free	maintenance free
Impact	Typ I / EN 60730 -1	Typ I / EN 60730 -1
Standardize	89/336/CE	89/336/CE

Ordering code

ESDO 61 XX X X



※ CE Compliance EMC (89/336/EEC) according to the standard EN73/23/EEC and 93/68/EEC.