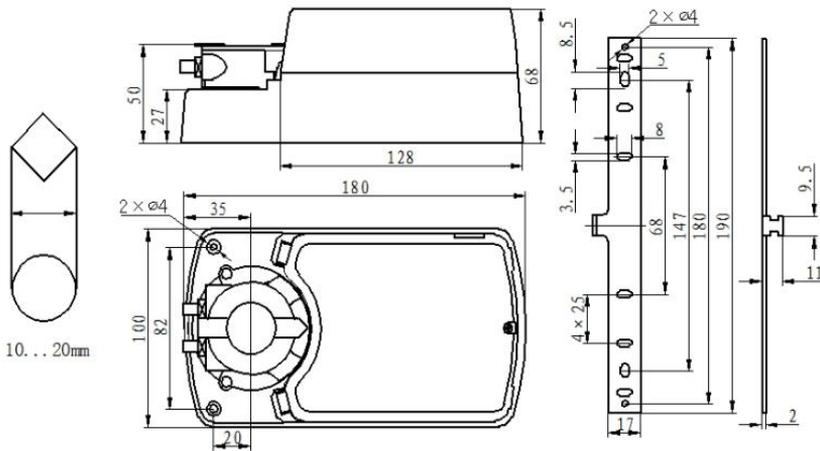


Dimension drawing: 8-40NM



## LFZ-Q

Fast running  
Rotary actuators



LFZ-Q05/08/16/24/40 Series Electric Damper Actuators adopt imported DC motor/brushless motor to provide power, with torques of 5NM, 8NM, 16NM, 24NM, 40NM for choosing. The series are widely used in rail transit, ventilation system, laboratory and other fields which need fast control. They are easy to install and fix on square shaft, circular shaft or other shapes of damper connecting shafts. They have long service life, low noise and can achieve multi-function intelligent control. The whole series are with manual operation function and manual limit, IP54 protection grade, full overload protection function to ensure safe use.

### Specification

Dimension in : mm

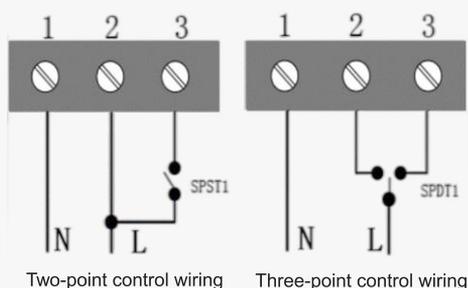
Model	Output Torque	Power Supply	Run Time	Control Signal	F Auxiliary Switch
LFZ-Q0524/230-K/KF	5N	24V/230V	3.5S	On-off Control	Two sets of auxiliary switches
LFZ-Q0524/230-M/MF	5N	24V/230V	3.5S	0(2)~10V/0(4)~20mA	Two sets of auxiliary switches
LFZ-Q0824/230-K/KF	8N	24V/230V	8S	On-off Control	Two sets of auxiliary switches
LFZ-Q0824/230-M/MF	8N	24V/230V	8S	0(2)~10V/0(4)~20mA	Two sets of auxiliary switches
LFZ-Q1624/230-K/KF	16N	24V/230V	16S	On-off Control	Two sets of auxiliary switches
LFZ-Q1624/230-M/MF	16N	24V/230V	16S	0(2)~10V/0(4)~20mA	Two sets of auxiliary switches
LFZ-Q2424/230-K/KF	24N	24V/230V	<30S	On-off Control	Two sets of auxiliary switches
LFZ-Q2424/230-M/MF	24N	24V/230V	<30S	0(2)~10V/0(4)~20mA	Two sets of auxiliary switches
LFZ-Q4024/230-K/KF	40N	24V/230V	<30S	On-off Control	Two sets of auxiliary switches
LFZ-Q4024/230-M/MF	40N	24V/230V	<30S	0(2)~10V/0(4)~20mA	Two sets of auxiliary switches

Ordering information - KF/MF is series with auxiliary switch, please provide complete

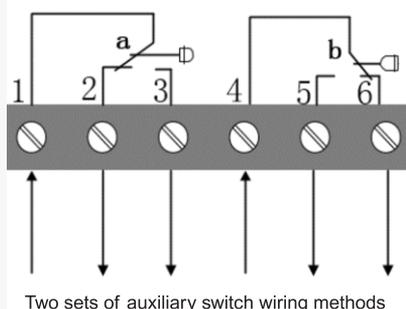
## Specification

General	Value					
Electrical parameters	Rated Voltage	AC24V 50/60Hz DC24V /AC100...240V 50/60Hz				
	Rated Voltage Range	AC/DC 19.2...28.8V/AC85V...AC265V				
	Power Consumption	Running Status4.5W,Standby Status 0.5W				
	Cable Size	0.5mm <sup>2</sup>				
	Terminal Size	Max2mm <sup>2</sup>				
Function parameter	Torque	5Nm	8Nm	16Nm	40Nm	48Nm
	Suitable damper Size	0.5m <sup>2</sup>	1.2m <sup>2</sup>	2.5m <sup>2</sup>	1.2m <sup>2</sup>	4.2m <sup>2</sup>
	Rotation direction	Can be selected by DIP switch				
	manual adjustment	Actuator can be manually adjusted after pressing the gear set disengagement button				
	Nominal/Maximum Corner	90°/95°				
	noise level	46dBA (within 1 meter)				
	location indication	Rotation angle provided by position indicator				
Work Environment	Electrical Grade	III (SELV)II (Double Insulation)				
	Degree of Protection	Ip54				
	Working Temperature	-20°C~+50°C				
	Storage Temperature	-30°C~+80°C				
	Temperature Test	95%RH,No Condensation/EN 60730-1				
Dimension Drawing	L×W×H/mm	see dimensional details				
	Minimum shaft length	>50mm				
	Weight	<1.3 Kg				

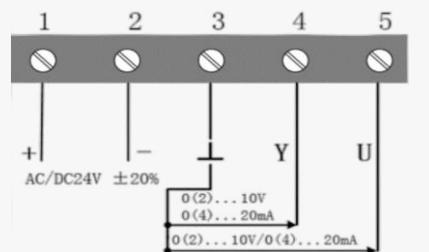
## Wiring mode



Switch output connection method,  
Working voltage: AC/DC 24V; AC100V...AC240V

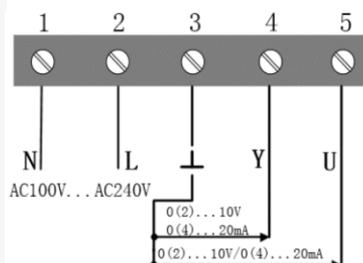


Resistive load 3A 220V  
Inductive load 1.5A 220V



Volt0(0)...10V input resistance $\geq$ 200K $\Omega$   
Current0(4)...20mA input resistance=500 $\Omega$

Analog wiring, the power supply  
Voltage can be AC/DC 24V



Volt0(0)...10V input resistance $\geq$ 200K $\Omega$   
Current0(4)...20mA input resistance=500 $\Omega$

Analog wiring, supply voltage  
AC100V...AC240V