



by FjellCom

ExS6061SF-05/10/15 Explosion-proof Actuator



Summary:

The product is designed to use in HVAC professional, especially specialized in dangerous environment, such as explosive air and dust.

Explosion-proof Mark Ex db II B T6 Gb Ex tb IIIC T85°C Db

Application zone 1 and 2 Dust environment zone 21 and 22

Model Description:

ExS6061SF-XXDFK/XX

NS:Explosion proof damper actuator without spring

Torque: 05Nm,10Nm,15Nm

Power Supply: AC230V AC24V DC24V 50/60Hz $i \leq 0.2A$

ExS6061SF-05/10/15DF/24 (230) V

Para.	Model	ExS606 1SF-05 DF/24V	ExS606 1SF-05 DF/230 V	ExS6061 SF-10DF/ 24V	ExS6061 SF-10DF/ 230V	ExS6061 SF-15DF/ 24V	ExS6061S F-15DF/ 230V
Torque		5Nm		10Nm		15Nm	
Damper Size		1m ²		3m ²		4.5m ²	
Power Supply		AC220V	AC24V	DC24V	50/60Hz	$i \leq 0.2A$	
Consumption		7W run/3W		10W run/3W remain		12W run/3W remain	
Wire Size		10VA					
Connection cable		Power: 1m cable 3*0.5 m ²					
		Auxiliary Switch (F) : 1m cable 6*0.5 m ²					
Running Time		Motor ≤ 150s; Spring Return ≤ 30s					
Angle of Rotation		Max 93°					
Position Indication		Mechanical indicator					
Weight		5Kg					
Life Cycle		≥ 10000 cycles					
Sound Level		50dB(A) and 62dB(A)					
Protection Level		III(safety low voltage)			II (full insulation)		
IP Protection		IP66					
Ambient Temperature		-20~+60°C					
Ambient Humidity		5~95%RH					
Explosion-proof Mark		Ex db II B T6 Gb					
		Ex tb IIIC T85°C Db					

Features :

- Single control
- Form-fit 12x12cm shaft
- Universal shift plug
- Two auxiliary switches
- Cast aluminum housing, compacting type
- Safety meets IP66

Compliances

- IEC60079-0:2017, EN60079-0:2012+A11:2013 electrical apparatus in explosive gas atmosphere - part0: General requirements.
- IEC60079-1:2014 ;EN60079-1:2007 electrical apparatus in explosive gas atmosphere - part1: flameproof “d” .
- IEC60079-31:2013,EN60079-31:2014 explosive atmospheres part31: Equipment dust ignition protection by enclosure "t".

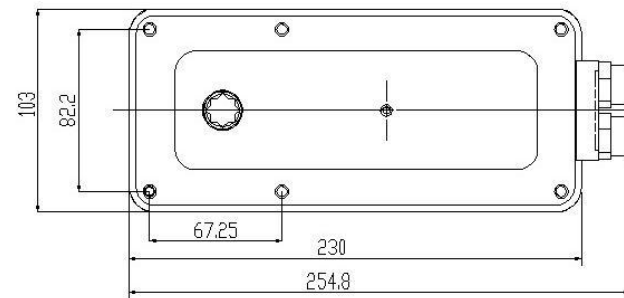
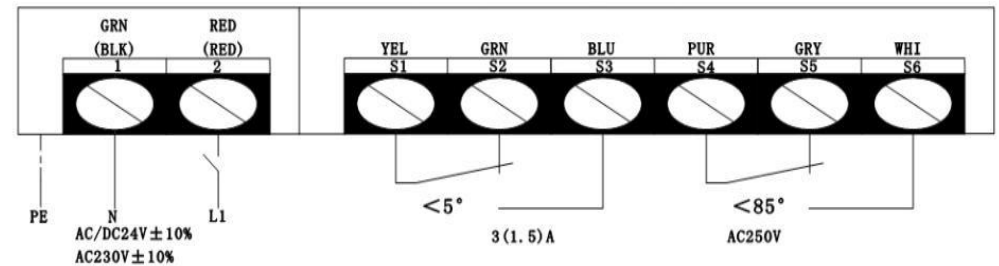
Usage and maintenance

- Cable connector and the housing mating thread size M16 × 1.5, cable diameter size Φ6-Φ8. When the equipment is used on site, the cable gland should be installed by user, whose protection grade should not be lower than II 2D Ex tb III C T85°C Db.
- Within ground terminal tightening torque 2N.m.
- Flameproof joint tightening torque is 3.2N.m.
- External ground bolt M4X6, pressing 4mm² conductor.
- Disassembly is prohibited without permission Do not open with power. please do not open the cover in the explosive gas. Need to use a damp cloth when opening.
- Repair of the flanged joints must be made in compliance with the struct

ural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 3 and table 4 of EN 60079-1:2007.

- The entry shall be equipped with Ex certified cable glands with a compatible mode of protection for the intended use.
- When assembly, operation and maintenance, the operator should follow the requirements of EN 60079-14, beside of the instruction manual.
- Repair and overhaul shall comply with EN 60079-19.

Electrical connection and out line :



Form fitting mounting on square damper shaft



Ball valve connection Instruction



Mounting clamp type

1. Pre-assemble mounting clamp



2. Fixing



3. Assemble mounting bracket



4. Mounting to damper



Butterfly valve connection Instruction

