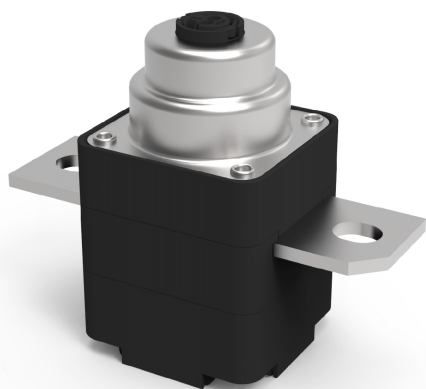




● SFM-400-EB

Product Features/产品特点

- Maximum Continuous Current 400A
at Ambient Temperature of 20°C
环境温度为20°C时的最大持续电流为400A
- Irreversible Pyrotechnic Device
不可逆的烟火装置
- Operation Voltage :500 VDC
工作电压: 500VDC

General Information/产品信息

Breaking Capacity (分断能力)

- Max breaking capacity (最大分断能力)
500 V / 16000 A / 20μH
- Action time (动作时间)
< 2 ms
- Current carrying capacity (载流能力)
85°C copper load cable, 120mm² continuous 400 ADC
环境温度85°C, 导线120mm², 持续通流400ADC;
- 85°C copper load cable, 95mm² continuous 350 ADC.
环境温度85°C, 导线95mm², 持续通流350 ADC;
- Weight (重量)
≤ 300 g

Busbar (母排)

- Contact raw-material (base) copper alloy (thickness 3mm)
导体材料(基材)铜合金(厚度3mm)
- Contact plating material: Sn
导体镀层材料: 锡
- Busbar resistance (at RT) 电阻 (室温下)
≤ 0.05 mΩ
- After breaking current (分断电流后)
≥ 10MΩ
- Terminal type: on busbar M8 screw
Installation torque 12±1 N.m
母线端子类型: 母排M8螺栓; 安装扭矩12±1 N.m

Trigger Data (触发参数)

- Qualified acc. to AK-LV 16
符合AK-LV 16标准
- Trigger resistance ≥ 1.7Ω and ≤ 2.3Ω
触发器电阻≥1.7Ω到≤2.3Ω
- Triggering pulse current 触发脉冲电流
≥ 1.75 A / 0.5 ms or ≥ 1.2 A / 2.0 ms
- No-triggering current 无触发电流
≤ 0.4 A/10s
- Diagnostic current 检测电流
< 100 mA

Trigger Interface (触发接口)

- Trigger conforms (触发接口)
ISO19072-4 AK
- Manu factor (厂家)
JST
- Recommend type (推荐型号)
02-SQSK-GI-2A-K

Matching connector (配合连接器)

- Manufacturer (厂家)
JST
- Recommend type (推荐型号)
SQXW

Temperature (温度)

- Storage temperature 储存温度
-40°C ~ +85°C
- Ambient temperature 工作温度
-40°C ~ +105°C
- Please consult our team under high temperature
高温下请咨询我司
- Altitude 海拔
≤ 5500m
- Self-ignition temperature 自触发温度
≥ 250°C

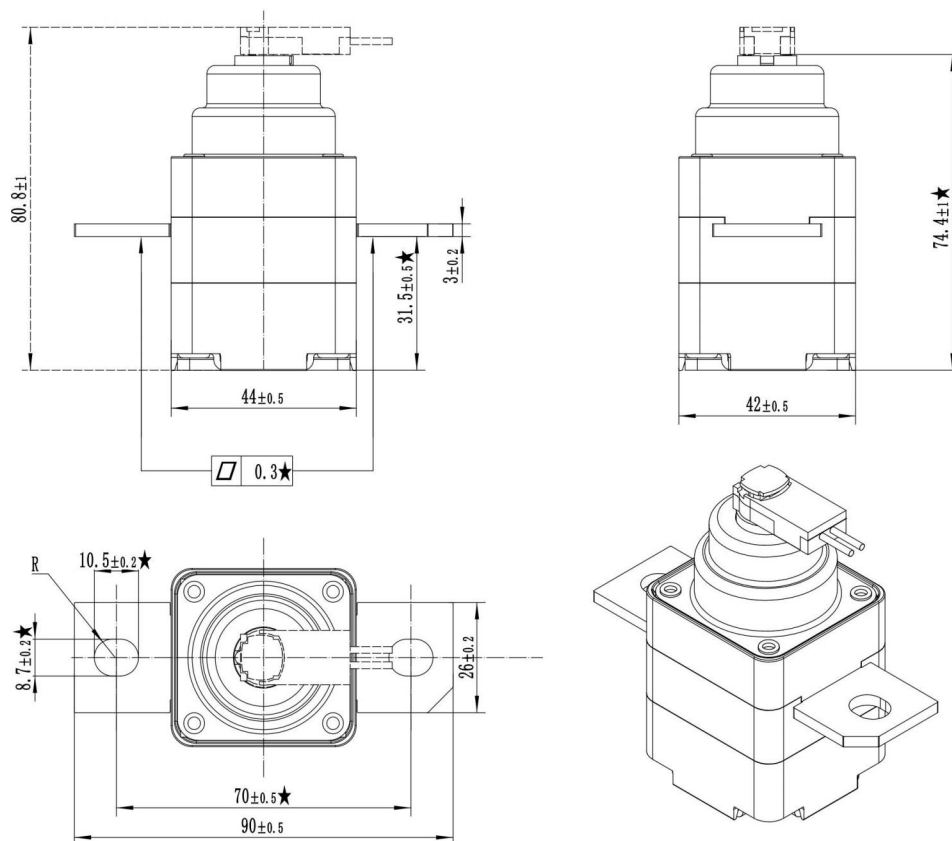
Other Data (其它)

- Vibration resistance as per AK-LV 124
抗振动性能符合AK-LV 124
- Mech. Shock resistance as per AK-LV 124
抗机械冲击性能符合AK-LV 124
- Temperature cycle resistance as per AK-LV 124
抗温度冲击性能符合AK-LV 124
- Chemical load resistance as per AK-LV 124
化学品耐受性能符合AK-LV 124

SQXW/连接型号/Connector Mating				
NO	型号/Part Number	厂家/Manu factor	数量/Quantity	备注/Remark
1	SSQSK-A03G3-P-R	JST	1	右端子(Right terminal)
2	SSQSK-A03G3-P-L	JST	1	左端子(Left terminal)
3	SQXR-02H-2A-K	JST	1	下壳体(Lower housing)
4	SQXL-02H-1W-Y	JST	1	上盖(Top Cover)
5	SQXC-02H-1W-D	JST	1	CP
6	SQXF-02-1A	JST	1	磁环(Magnetic Ring)

注: 左右端子线径0.3-0.5mm²/Left and right terminal wire diameter 0.3-0.5mm².

Dimensions/产品尺寸



Note/注意事项

1. Improper operation will cause the personal injury.
· 对产品操作不当将导致人身伤害!
2. Squeeze, cutting, disassembly or burning will be forbidden during assembly and use of production.
· 在装配和使用过程中禁止挤压、切割、拆卸、燃烧!
3. The connector of pyrofuse has a short-circuit ring structure. While the connector is not fully inserted into the position, the short circuit ring will short the pins of the circuit to prevent mis-operation during transportation, installation and usage.
· 该产品的连接器带有短路环结构，在配合端的连接器未插入到位前，短路环将触发回路两针短路，防止在运输、安装、使用过程中的误动作。
4. It is not recommended to connect trigger signals (low voltage) with high voltage systems on the same ground (or conductor connection).
· 触发信号（低压）和高电压系统不建议共地（或导体连接）。
5. Please consult us if system inductance is over the nominal value of the specification.
· 电感量大于规格书标称值请咨询我司。
6. Do not use product if body is damaged.
· 如产品外壳发生破损请勿使用。