



● SFH-400-B

Product Features/产品特点

- ◎ Irreversible Pyrotechnic Device
不可逆的烟火装置
- ◎ Operation Voltage : 1000 VDC
工作电压: 1000VDC

General Information/产品信息

Breaking Capacity (分断能力)

- Max breaking capacity (最大分断能力)
1000 V / 16000 A / 30μH
- Action time (动作时间)
< 3 ms
- Current carrying capacity (载流能力)
60°C copper load cable, 80mm² continuous 300 A.
环境温度60°C, 导线80mm², 持续通流300A;
- 60°C copper load cable, 120mm² continuous 400 A.
环境温度60°C, 导线120mm², 持续通流400A;
- 60°C copper load cable, 150mm² continuous 500 A for 30min.
环境温度60°C, 导线150mm², 500A持续通流30分钟;
- 60°C copper load cable, 200mm² continuous 660 A for 10min.
环境温度60°C, 导线200mm², 660A持续通流10分钟;
- 60°C copper load cable, 225mm² continuous 700 A for 15min.
环境温度60°C, 导线225mm², 700A持续通流15分钟;
- Weight (重量)
< 380 g

Busbar (母排)

- Contact raw-material (base) copper alloy (thickness 3mm)
导体材料(基材)铜合金(thickness 3mm)
- Busbar resistance (at RT) 电阻(室温下)
≤ 0.05 mΩ
- After breaking current (分断电流后)
≥ 10MΩ
- Terminal type: on busbarbar M8screw
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
- Initiator resistance ≥ 1.7Ω and ≤ 2.3 Ω
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 or ≤ 5.0 A / 4 μs
- Diagnostic current 检测电流
≤ 100mA

Trigger Interface (触发接口)

- Trigger conforms (触发接口)
ISO 19072-1 AKII code1
- Connector adapter wire diameter
连接器适配线径: 0.3-0.5mm².
- Actuator matching connector (φ11)
触发器配合连接器(φ11)

Matching Connector(配合连接器)

- Manufacturer (厂家)
TE
- Recommend type (推荐型号)
1-1823640-1
- Recommend cable harness (推荐线束)
6-2209637-3 (TE)

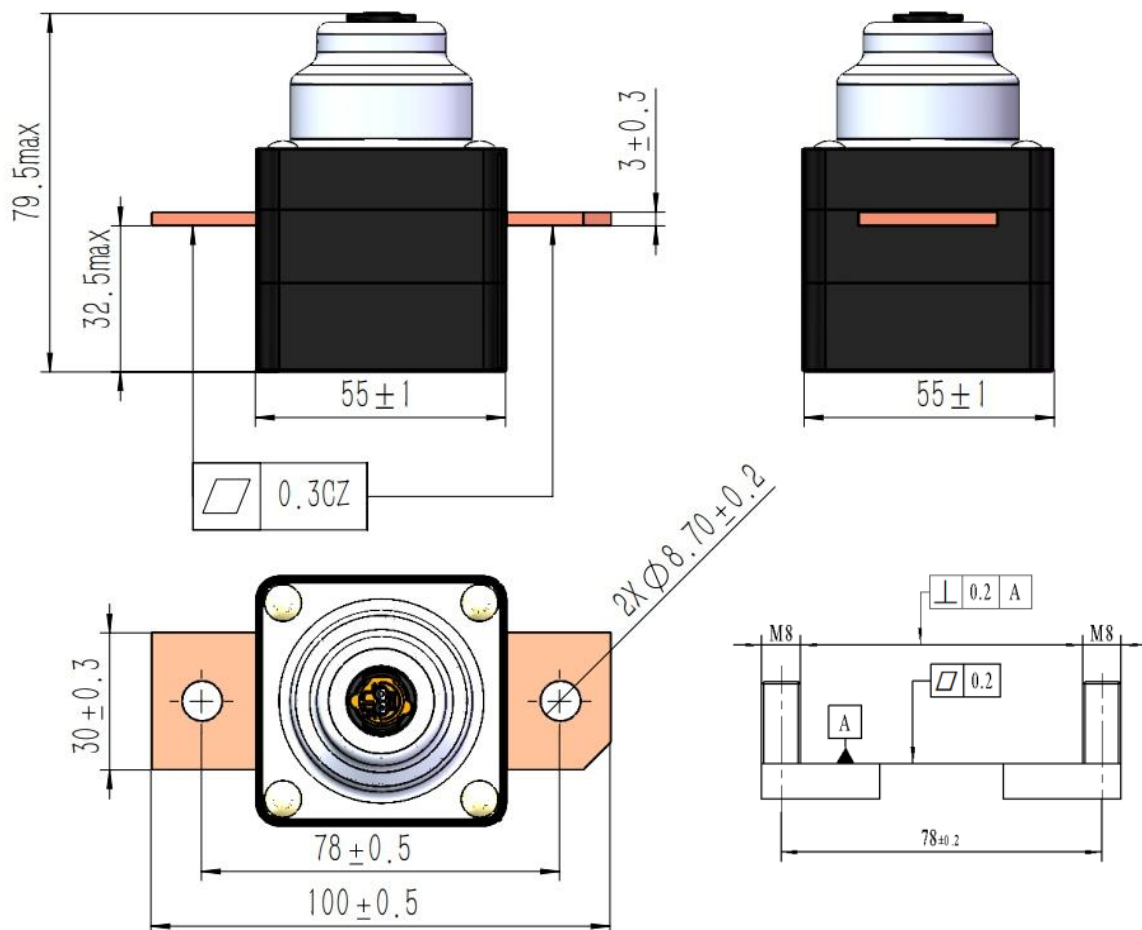
Temperature (温度)

- Storage temperature 储存温度
-40°C ~ +85°C
- Operating temperature 工作温度
-40°C ~ +85°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
- Continuous flow terminal and case temperature
does not exceed 125°C
长期持续通流端子和壳体温度不超过125°C
- Trigger continuous working temperature does not
exceed 105°C
触发器长期持续工作温度不超过105°C

Other Data (其它)

- Vibration resistance as per AK-LV 124
抗振性能符合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

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 two 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。