

YCFP7 Hot Aerosol Fire Extinguishing Device



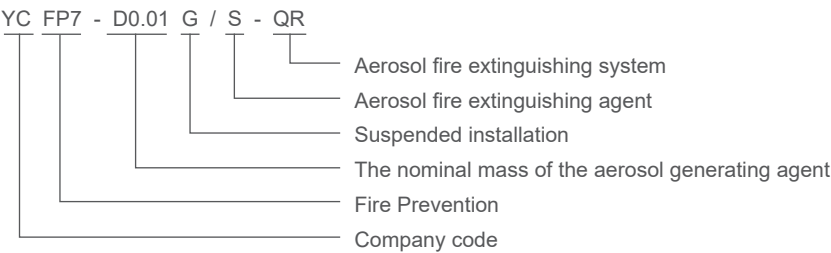
General

The new type S Aerosol Fire Extinguisher for Switchgear features ultra-high fire suppression efficiency. It offers a compact design, does not require pressurized storage or piping installation, and is easy to maintain, ensuring user convenience. The device provides fast and effective fire suppression, non-toxicity, safety, reliability, and environmental friendliness. It is particularly suitable for extinguishing initial fires in relatively enclosed small spaces such as power distribution cabinets, motor compartments, and compressors.

Fire-Extinguishing Mechanism

The fire-extinguishing mechanisms of fire extinguishing agents mainly include isolation, suffocation, cooling, and chemical inhibition. Different fire extinguishing agents have different fire-extinguishing mechanisms. The fire-extinguishing mechanism of the type S hot aerosol fire extinguishing agent is mainly reflected in two aspects: on one hand, the cooling effect caused by endothermic decomposition; on the other hand, the chemical inhibition effect in the gas phase and solid phase. These two aspects work together to achieve fire-extinguishing. In addition, the gas-phase components in the products of the aerosol fire extinguishing agent also play a certain auxiliary role.

Type designation



Precautions for product use

1. Users must carefully read the manual and install the device according to standard procedures.
2. Do not place any objects within 0.2 m directly in front of the nozzle to ensure effective fire suppression.
3. Do not point the nozzle towards personnel during installation.
4. Ensure that the circuit remains free from short circuits.
5. The applicable temperature range is -50°C ~ +90°C. The company is not responsible for failures or accidental activation if the device is used outside this range.
6. Do not install the device in areas exposed to rain, water splashing, or corrosive environments with high acidity or alkalinity. Contact the supplier promptly for replacement after activation.
7. The service life of this device is 10 years. After this period, contact the supplier for timely replacement.
8. Unauthorized disassembly by non-professionals is prohibited.

Final Distribution

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Technical data

Parameter Name	Specific Content	Parameter Name	Specific Content
Model Specification	YCFP7-D0.01G/S-QR	Fire Extinguishing Agent Quantity	10g
Operating Temperature Range	-50°C~+90°C	Relative Humidity of Operating Environment	≤95%RH
Protected Space	≤0.1m³	Service Life	10 years
Fire-Extinguishing Density	100g/m³	Enclosure Surface Temperature	200°C
Oxidizer and Its Content	Sr(NO ₃) ₂ 60%/KNO ₃ 20%		
Executive Standard	EN 15276-1:2019 EN 15276-2:2019		
Thermal Clearance	0.3m ≤ 75°C; 0.12m ≤ 200°C; 0.05m ≤ 400°C		
Installation Method	Adhesive Installation and Guide Rail Installation		

Overall and mounting dimensions(mm)

