



## CONNECTOR PROTECTION

# Fipron Canarias Box MC4 PROTECT

A protective module with an integrated Fipron Cord fire-suppression system for solar MC4 connectors.



## KEY BENEFITS

Fully autonomous - passive suppression, no power or wiring needed

Protects MC4 connectors from fire and localized overheating

Sealed to IP67 - resists moisture, dust, UV and mechanical stress

Flame-retardant, self-extinguishing UL94 V0 PETG enclosure

Activates in under 5 seconds and prevents re-ignition

Recyclable, halogen-free and maintenance-free for 10 years

## DESIGN & MATERIALS

Enclosure	3D-printed PETG FR, 2.5 mm wall
Size	128 × 33 mm (length × Ø)
Weight	≈ 52 g
Colour	Gray or black (customer's choice)
Mounting	Snap-in: cable, panel or in-line
Agent	1.2-1.5 g gas-forming cord

The Fipron Canarias Box MC4 Protect is a sealed module that shields the MC4 connectors of solar panels from fire, localized overheating and the elements - moisture, dust, UV and mechanical stress. Its integrated passive Fipron Cord activates automatically at critical temperature, needing no power, no wiring and no maintenance.

## HOW IT WORKS

A microencapsulated Fipron Canarias Cord runs inside the enclosure, right beside the MC4 connector. When the temperature reaches about **~200 °C** the cord decomposes and releases a neutral, gas-forming agent that locally extinguishes the fire and prevents re-ignition - in under 5 seconds, with no power supply required.

## WHERE TO USE IT

Designed for DC photovoltaic systems up to **1500 V** - solar farms, rooftop PV arrays and off-grid power plants.

Suitable for outdoor installation or inside technical cabinets, mounted on the cable, on the panel or in-line.

## AT A GLANCE

Response temperature	~200 °C
Operating temperature	-40 °C to +70 °C
Protection class	IP67 (IEC 60529)
Flammability	UL94 V0
Max voltage / current	1500 V DC / 35 A
Service life / warranty	10 years / 3 years



**IP67 · UL94 V0**

Sealed & self-extinguishing



**IEC 62852**

PV DC connector standard



**RoHS · REACH**

No hazardous substances