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FPV-H2

PHOTOVOLTAIC FUSE LINK / 250A / gPV

1000V DC
Rated voltage

250A
Illustrated rated current

30kA / 50kA
Breaking capacity

The NewTrend FPV-H2 is a blade-type gPV photovoltaic fuse link. It combines a ceramic insulating body, high-purity copper fuse-element material and quartz silica arc-extinguishing medium for DC photovoltaic protection assemblies.



30kA | 250A | front view 50kA | 250A | front view

Model	FPV-H2
Class of operation	gPV
Rated voltage	1000V DC
Illustrated current	250A
Breaking capacity	30kA / 50kA
Standard marking	IEC 60269-6
Overall length	150mm
Series current range	160-250A (50kA series)
Time constant	1-3ms (50kA series)

Electrical configuration

Current	Voltage	Class	Breaking capacity
250A	1000V DC	gPV	30kA
250A	1000V DC	gPV	50kA

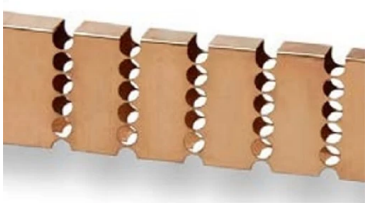
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Materials and applications

FPV-H2 / CONSTRUCTION AND APPLICATIONS

High-purity copper element



High-conductivity copper fuse-element material supports stable operation, low power consumption and low temperature rise.

Quartz silica filling



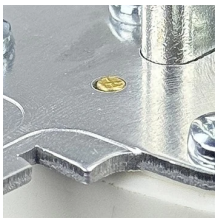
High-grade quartz silica acts as the arc-extinguishing medium within the fuse body.

High-performance ceramic



The ceramic body provides heat resistance, insulation, mechanical strength and chemical inertness.

Fuse-operation indicator



A fuse indicator provides a visual signal of operation. Dual-indication arrangements are available as an upgrade.

Typical applications



PV transformer



Photovoltaic panels



Photovoltaic inverter

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Product views

FPV-H2 / 250A CONFIGURATIONS



30kA | 250A | front view



50kA | 250A | front view



30kA | angled view



30kA | side view

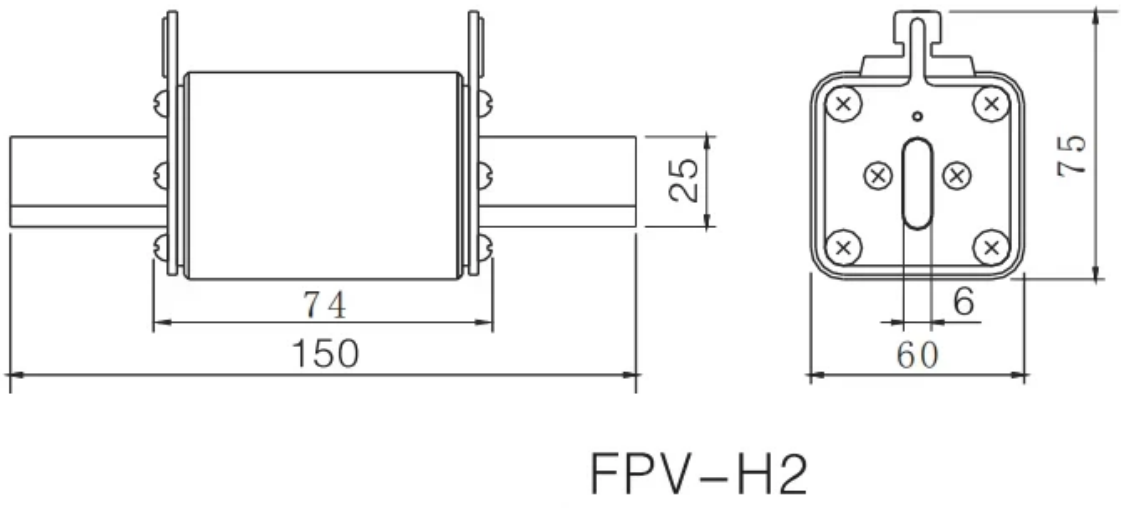


30kA | horizontal view

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Dimensions and accessories

FPV-H2 / DIMENSIONS IN MILLIMETRES



Frame and connection dimensions

Overall length	150mm
Body length	74mm
Blade width	25mm
End-face width	60mm
End-face height	75mm
Blade thickness	6mm

Accessory options



A dedicated operating handle is available for fuse handling. The fuse system can be paired with a compatible base and an optional microswitch. Select the matching fuse and base geometry using the dimensional drawing.