Shanghai Newtrend Electric Co., Ltd.
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FPV-H1XL

PHOTOVOLTAIC FUSE LINK / 160A / gPV

1500V DC	160A	30kA
Rated voltage	Illustrated rated current	Breaking capacity

The NewTrend FPV-H1XL 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.



160A | 30kA

Model	FPV-H1XL
Class of operation	gPV
Rated voltage	1500V DC
Illustrated current	160A
Breaking capacity	30kA
Standard marking	IEC 60269-6
Overall length	187mm

Electrical configuration

160A | 1500V DC | gPV | 30kA breaking capacity

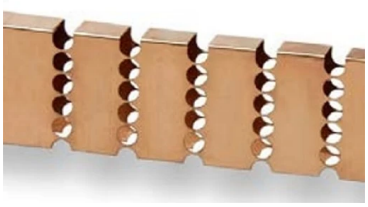
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Materials and applications

FPV-H1XL / 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



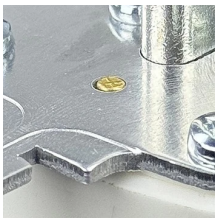
High-grade quartz silica acts as the arc-extinguishing medium within the fuse body.

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

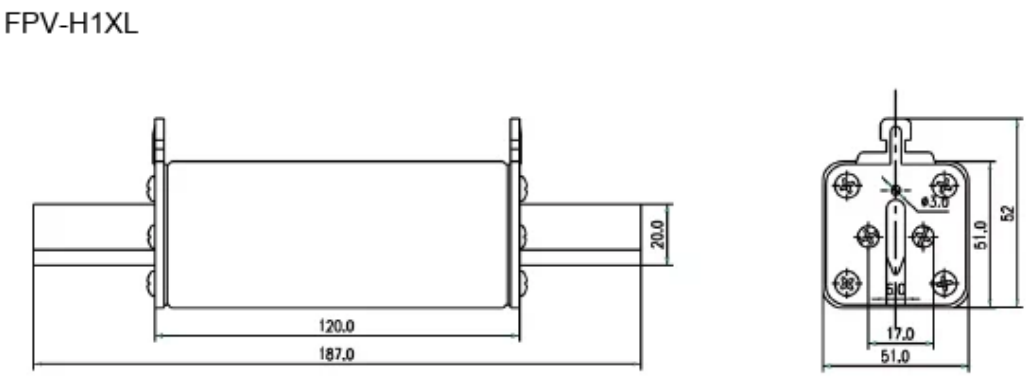


Photovoltaic inverter

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Dimensions and accessories

FPV-H1XL / DIMENSIONS IN MILLIMETRES



Frame and connection dimensions

Overall length	187mm
Body length	120mm
Terminal width	20mm
Front width	51mm
Front height	62mm

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.