

## H - BRANCH CONNECTOR & FUSE ADAPTER

PV-H/F

### FEATURE HIGHLIGHTS



PV-H Branch Connector

- For a safe and simple parallel or serial-parallel connection of PV-modules
- Pluggable with single-pole Friends PV connector series
- Unmated connections must be protected by protect caps
- Safety lock clip, can be released only with tool
- System voltage up to 1500V
- IP68 Protection (1h/1m)



PV-F Fuse Connector

- Pre-installed fuse element, sealed for outdoor use
- Nominal currents of the fuse-link: 6 to 30 A
- System voltage up to 1500V
- IP68 Protection (1h/1m)

### PRODUCT CERTIFICATES

- UL 6703: CSA / UL
- EN 50521: 2008+A1 TÜV



### TECHNICAL SPECIFICATION

Part No.	PV-H	PV-F
Rated Voltage	1000V/1500V	1000V/1500V
Rated Current	30A	6A- 30A
Rated Impulse Voltage	12 kV /16kV	12 kV /16kV
Ambient Temperature Range	-40 C to 85 C	-40 C to 85 C
Upper Limiting Temperature	100 C	100 C
Degree of Protection (mated)	IP68	IP68
Degree of Protection (unmated)	IP2X	IP2X
Overvoltage Category	III	III
Safety Class	II	II
Application Class	Class A	Class A
Pollution Degree	2	2
Contact Resistance	≤0.5mΩ	≤0.35mΩ
Contact Material	Copper, T2, Tin-plated	Copper, T2, Tin-plated
Conductor Cross Section	1×4.0 mm <sup>2</sup> , 12 AWG 1×6.0 mm <sup>2</sup> , 10 AWG	/
Insulation Material	PC (1000V) PA(1500V)	PC (1000V) PA(1500V)
Cable Outer Diameter Range	6.0mm-7.6 mm	/
Flammability Class	UL94 V-0	UL94 V-0
Approvals	TUV / CSA	TUV / CSA