

In-line Fuse

Solarline | Connectors for renewable energy

EN



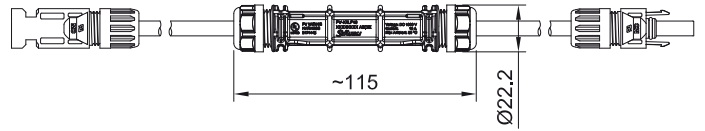
IN-LINE FUSES

In-line Fuse PV-K/ILF

PV-K/...ILF.../6N...UL



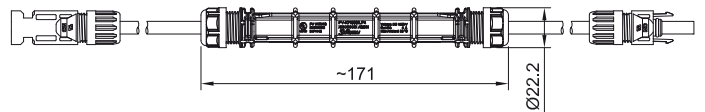
PV-K/ILF.../6N...UL



PV-K/1500ILF.../6N...UL



PV-K/1500ILF.../6N...UL



| Technical data | |
|--|--|
| Connector system | MC4 |
| Voltage rating | DC 1000 V or DC 1500 V |
| Test voltage | DC 1000 V Model: 6 kV (50 Hz, 1 min.) DC 1500 V Model: 9 kV (50 Hz, 1 min.) |
| Safety class | II |
| Overvoltage category Pollution degree | CATIII/3 |
| Mating connectors Only genuine Stäubli connectors shall be used! | PV-KST4/... or PV-KBT4/... ("MC4"), PV-KBT4-EVO 2... or PV-KST4-EVO 2... ("MC4-Evo 2") |
| Rated current gPV | Various ampacity ratings available: DC 1000 V: 1 – 30 A DC 1500 V: 1 – 20 A; 25 A; 30 A Please refer to the information on the product or packaging for details regarding the variant/model. |
| Ambient temperature range | -40 °C to +50 °C |
| Transportation/storage temperature range | -30 °C to +60 °C |
| Transportation/storage relative humidity | < 70 % |
| Degree of Protection (IP) | Mated: IP65/IP68 (1 m, 1 h) Unmated: IP2X |
| Maximum altitude above sea level for operation | 5000 m |
| Fire protection class | UL94:V-0 |
| UL File numbers | E510009: models PV-K/1500ILF25/6N0055UL and PV-K/1500ILF30/6N0055UL E474445: all others |
| Insulation material | PC/glass-filled PA |
| Contact material | Copper, tin plated |
| Max. contact resistance of the connector | < 0,25 mΩ |

The In-line Fuse PV-K/ILF with a crimping connection guarantees a long-lasting, stable connection in comparison to conventional omega-style clips: Minimal energy loss, low heat generation. Robust housing, safety

class IP68. Cable cross-section 10 AWG/ 6 mm². Other fuse ratings and configurations are available upon request (for example with a single connector, or no connectors).

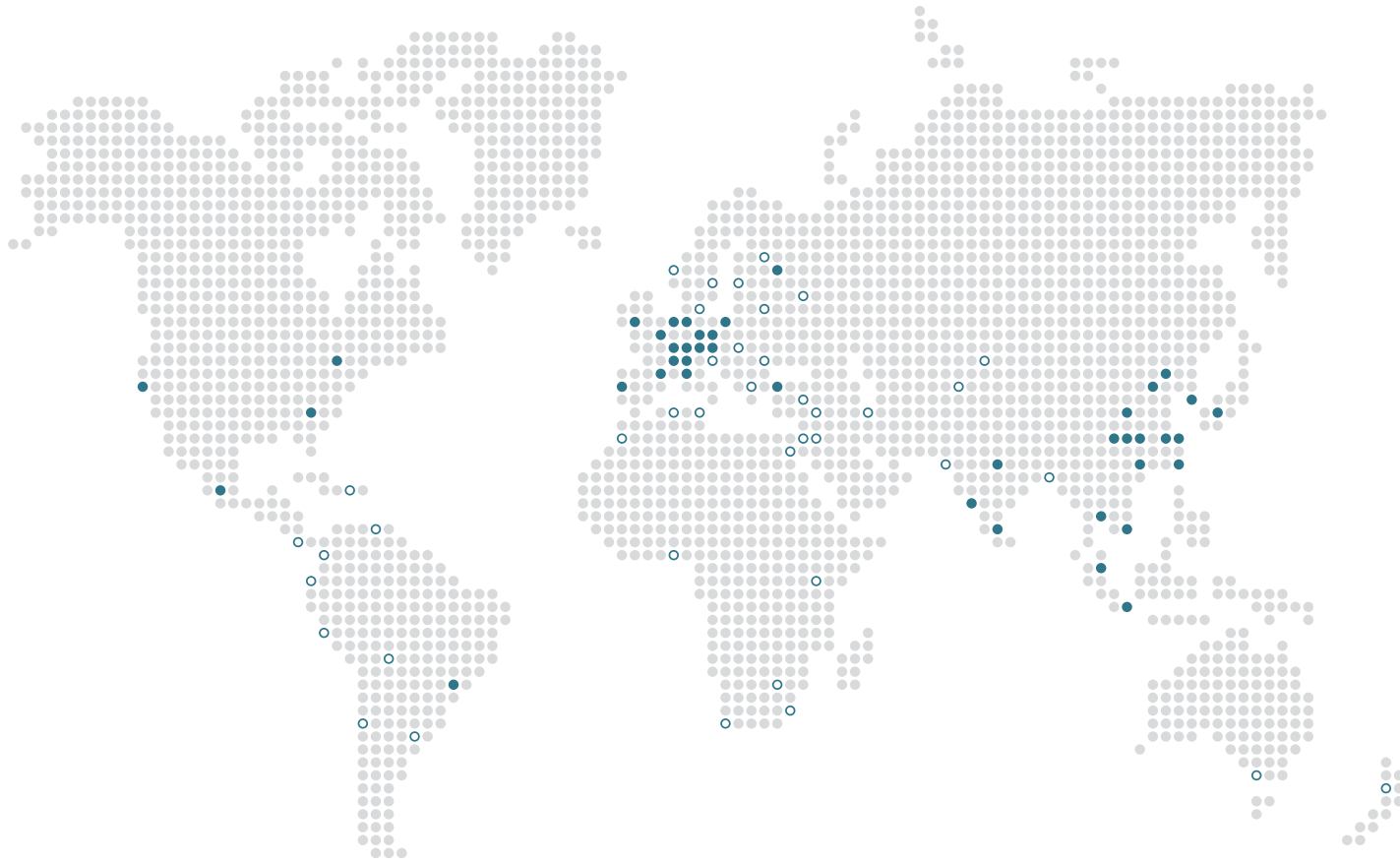
| Order No. | Type | UL 9703 | | UL 4248-1 UL 4248-19 | | Lead length cm | Connector system | Approvals UL |
|-----------------|---------------------------------------|---------|----|-------------------------|----|-------------------|------------------|-----------------|
| | | DC V | A | DC V | A | | | |
| 55000127-0050UL | PV-K/ILF10/6N0050UL | 1000 | 10 | | | 50 | MC4 | x |
| 55000128-0050UL | PV-K/ILF15/6N0050UL | 1000 | 15 | | | 50 | MC4 | x |
| 55000129-0050UL | PV-K/ILF20/6N0050UL | 1000 | 20 | | | 50 | MC4 | x |
| 55000130-0050UL | PV-K/ILF30/6N0050UL | 1000 | 30 | | | 50 | MC4 | x |
| 55000189-0052UL | PV-K/1500ILF4/6N0052UL | 1500 | 4 | | | 52 | MC4 | x |
| 55000334-0055UL | PV-K/1500ILF5/6N0055UL | 1500 | 5 | | | 55 | MC4 | x |
| 55000254-0055UL | PV-K/1500ILF6/6N0055UL | 1500 | 6 | | | 55 | MC4 | x |
| 55000190-0055UL | PV-K/1500ILF10/6N0055UL | 1500 | 10 | | | 55 | MC4 | x |
| 55000191-0055UL | PV-K/1500ILF15/6N0055UL | 1500 | 15 | | | 55 | MC4 | x |
| 55000192-0055UL | PV-K/1500ILF20/6N0055UL | 1500 | 20 | | | 55 | MC4 | x |
| 55000295-0055UL | PV-K/1500ILF25/6N0055UL ¹⁾ | | | 1500 | 25 | 55 | MC4 | x |
| 55000285-0055UL | PV-K/1500ILF30/6N0055UL ¹⁾ | | | 1500 | 30 | 55 | MC4 | x |

¹⁾ For PV-K/1500ILF25/6N0055UL and PV-K/1500ILF30/6N0055UL it is necessary to affix spacer ring PV-ILF-SR (included). Please see MA701 for more information.



Assembly instructions MA701

www.staubli.com/electrical



● Stäubli Units ○ Representatives/Agents

Global presence of the Stäubli Group

www.staubli.com