

## FIRE SAFETY FUSE PROJJOY MC4 PEFS-EL40H-10(P2)

Product code: Zab.ppoz.projjoy.5mppt



The PROJJOY MC4 PEFS-EL50H-10(P2) fire safety fuse is designed for safe and rapid disconnection of power in photovoltaic systems in case of emergencies or fire. The switch is suitable for installation on three strings. During a fire, firefighters may be exposed to serious risks associated with the flow of electricity in the photovoltaic system (even after disconnecting the direct current between the inverter and the panels). If firefighters disconnect the alternating current (AC) before extinguishing the fire, the safety switch from the PEFS series will detect a network failure and automatically switch off the isolation switch after 5 seconds. The switch should be installed close to the photovoltaic panel to provide a safe environment for firefighters, reducing potential damage and ensuring the safety of the photovoltaic system. Switches can be used directly in photovoltaic systems. The PEFS series resets automatically after restoring AC power - the switch will restore the circuit without user intervention. Switches are equipped with a PEDS switch, which is the most popular DC switch for photovoltaic systems worldwide. The response time of the switch mechanism is only 5 milliseconds, ensuring rapid arc extinguishing. PEDS is considered by many PV inverter manufacturers as the best and preferred DC power switch.

## Product variants

Index	Price
<b>FIRE SAFETY FUSE PROJJOY MC4 PEFS-EL40H-10(P2)</b> Zab.ppoz.projjoy.5mppt	Product prices only visible after login. If you do not have an account, please register.

## Product description

The PROJJOY MC4 PEFS-EL50H-10(P2) fire safety fuse is designed for safe and rapid disconnection of power in photovoltaic systems in case of emergencies or fire. The switch is suitable for installation on three strings. During a

fire, firefighters may be exposed to serious risks associated with the flow of electricity in the photovoltaic system (even after disconnecting the direct current between the inverter and the panels). If firefighters disconnect the alternating current (AC) before extinguishing the fire, the safety switch from the PEFS series will detect a network failure and automatically switch off the isolation switch after 5 seconds. The switch should be installed close to the photovoltaic panel to provide a safe environment for firefighters, reducing potential damage and ensuring the safety of the photovoltaic system. Switches can be used directly in photovoltaic systems. The PEFS series resets automatically after restoring AC power - the switch will restore the circuit without user intervention. Switches are equipped with a PEDS switch, which is the most popular DC switch for photovoltaic systems worldwide. The response time of the switch mechanism is only 5 milliseconds, ensuring rapid arc extinguishing. PEDS is considered by many PV inverter manufacturers as the best and preferred DC power switch. Advantages of the PROJY MC4 PEFS-EL50H-10(P2) fire safety fuse: 3-5 strings up to 50A up to 1500V DC CE certificate motorized switch sturdy IP66 plastic housing prepared openings and cable glands - MC4 connectors built-in direct current isolator with TUV, CE, CB, SAA, UL, CCC certificate automatic switch at 70°C breather valve to prevent condensation inside the housing Technical data of PROJY MC4 PEFS-EL50H-10(P2): voltage of chains VDC - 300-1500V current per string - 50A number of strings - 5 wiring switch - 10 operating voltage - 100V-270V AC nominal voltage 230V AC nominal current 30mA start-up current - average 100mA max switch-on current 300mA communication connector 24V DC- 300mA max operating temperature range -20°C to +50°C maximum operating temperature before automatic shutdown +70°C storage temperature range -40°C to +85°C protection level IP - IP66 protection class - class II certificates - UV, CE, CB, SAA, UL, CCC DC disconnection according to standard - EN60947-1&3 number of operations - 10000 number of operations under load (PV1) >1500 dimensions 327mm x 241mm x 85mm