

Fireman's Switch + SPD

PV module string disconnection according to DIN EN 60947-3:2020



QFire ·LITE· 4

Galvanic disconnection
according to IEC 60947-3

Technical Data QFire LITE 4 + 2 SPD

Switching Methode		galvanic isolation	
Connections		Stäubli MC4-Evo 2 (compatible to all MC4 plugs) 4-6 mm²	
Number of Strings in out		4 4	
Number MPP Trackers		2	
Surge Protection integrated		T1+2 1.500 V DC	
Norms		CE, IEC 60947-3	
Housing			
Material	Polycarbonat	Colour	grey cover transparent
IP-Class (EN60529)	IP 67	Mounting Location	protected outdoor area
Mechanical Resilience	IK08 (+35°C/-25°C)	Diameter L x W x D (mm)	300 x 300 x 132
Certification	EN 62208:2011:2011	Weight	~1,5 kg
Voltage			
Operation Voltage		230 V AC	
Device Protection (provided by customer)		B6 line protection	
Power Consumption Device		approx. 40 mA at 230 V AC + max. 1.8 W per string	
Rated Voltage Isolation Device		1,500 V DC	
System Voltage max.		1,500 V DC	
Switch Current max. per String (Isc)		20 A at 1,500 V DC	
Compliance		IEC 61634-31:2018, EN 50539-111:2012+A1:2014	
Operation Temperature		- 25°C to +50°C	
Humidity		0–99% relative humidity (non-condensing)	
Automatic Reactivation		yes	
Options		external key switch or emergency stop, potential-free status contact 230 V AC	