

## Application

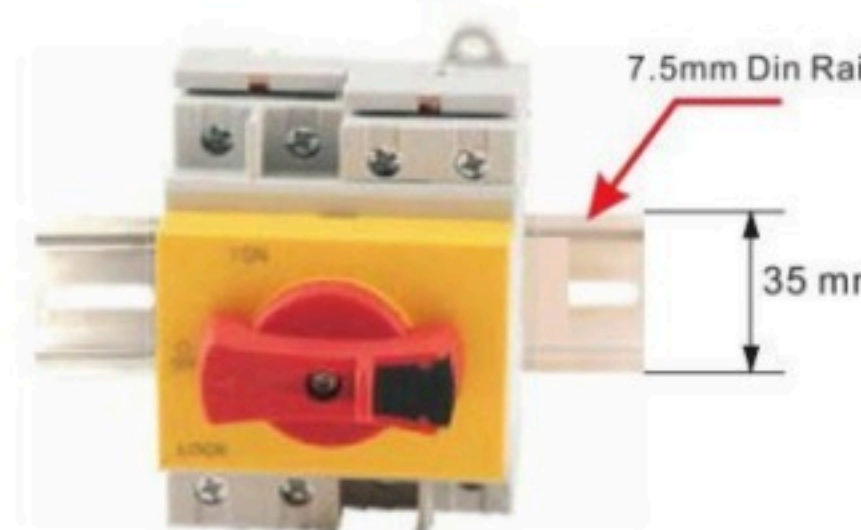
KNL2 Series DC Isolator Switch is applied to 1~20 KW residential or commercial photovoltaic system, placed between photovoltage modules and inverters. Arcing time is less than 8ms, that keeps solar system more safe. To ensure its stability and long service life, our products are made by components with optimum quality. Max voltage is up to 1200V DC. It holds a safe lead among similar products.

## Feature

- IP20 Protection Level
- Din rail mounted
- The handle can be locked in the "OFF" position
- 2 Pole, 4 Poles are viable (Single I Double String)
- Standard: IEC60947-3, AS60947.3
- DC-PV2, DC-PV1, DC-21B
- 16A, 25A, 32A, 1200V DC



**Press to lock**



Electrical Characteristics		
Type	FMPV16-KNL2, FMPV25-KNL2, FMPV32-KNL2	
Function	Isolator, Control	
Standard	IEC60947-3, AS60947.3	
Utilization category	DC-PV2/DC-PV1/DC-21B	
Pole	4P	
Rated frequency	DC	
Rated operational voltage ( $U_e$ )	300V, 600V, 800V, 1000V, 1200V	
Rated operational voltage ( $I_e$ )	See the next page	
Rated insulation voltage ( $U_i$ )	1200V	
Conventional free air thermal current ( $I_{th}$ )	//	
Conventional enclosed thermal current ( $I_{the}$ )	Same as $I_e$	
Rated short-time withstand current ( $I_{cw}$ )	1kA, 1s	
Rated impuled withstand voltage ( $U_{imp}$ )	8.0kV	
Overvoltage category	II	
Suitability for isolation	Yes	
Polarity	No polarity, "+" and "-" polarities could be interchanged.	
Service life/cycle operation		
Mechanical	18000	
Electrical	2000	
Installation Environment		
ingress protection	Switch Body	IP20
Storge temperature		-40°C~+85°C
Mounting Type		Vertically or horizontally
Pollution degree		3