

JLF8-PV DC Fuse



General

JLF8-....PV series fuses are designed with a rated operating voltage of **DC1500V** and a rated current of **up to 80A**. These fuses are primarily used in **solar photovoltaic DC combiner boxes** to interrupt overload and short-circuit currents caused by current feedback from PV modules or inverters, thereby ensuring effective protection of the photovoltaic components.

The JLF8-32 series is widely applied in **DC circuit protection** for electric drive systems, power supply units, and auxiliary circuits. Additionally, it can be used in **any other DC electrical system** to provide overload and short-circuit protection for sensitive components.

Applicable Standards: IEC60947-1 and IEC60947-2

Features

Features

The fuse holder is constructed using a molded plastic housing integrated with conductive terminals and internal components designed to hold the fuse securely. All elements are mechanically fastened to ensure structural stability. It serves as a reliable mounting interface for compatible fuse links. This series stands out for its compact design, ease of assembly, operational safety, and modern, clean aesthetics

Technical data

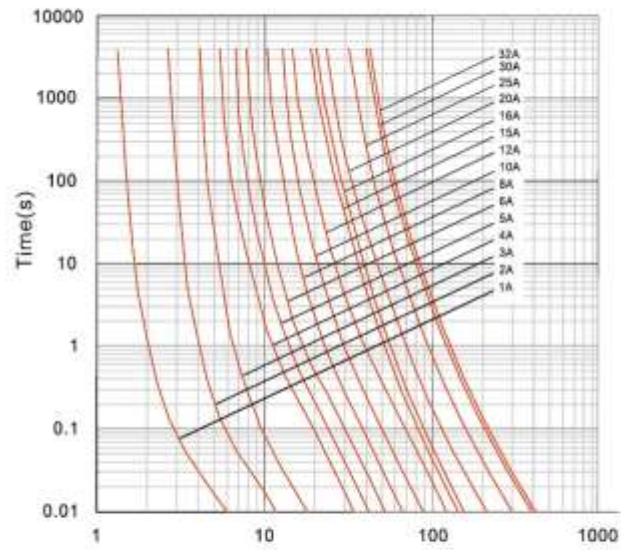
Model	JLF8-125PV	JLF8-63PV	JLF8-32PV
Standard	IEC60269-1, IEC60269-6		
Fuse size(mm)	22×58	14×51	10×38
Pole	1P, 2P, 3P, 4P		
Specifications	standard	standard	JLF8-32PV: Standard JLF8-32XPV: With display JLF8-32HPV: With High base
Rated working voltage Ue(V)	DC 1500V	DC 1000V	
Rated insulation voltage Ui(V)	DC 1500V		
Short-Circuit Breaking Capacity	20KA		
Protection Grade	IP20		
Use category	gPV		
Operation Ambient Temperature	-40℃ to +80℃		
Resistance and Damp Hot	Class 2		
Elevation	≤2000		
Installation Way	TH35-7.5/ DIN35 Rail Installation		
RH (relative air humidity)	when +20℃, not exceed 95%; when +40℃, not exceed 50%		
Pollution Class	3		
Installation Environment	the place of no obvious vibrate impact		
Installation Class	III		

Fuse Adapters & Selection Table

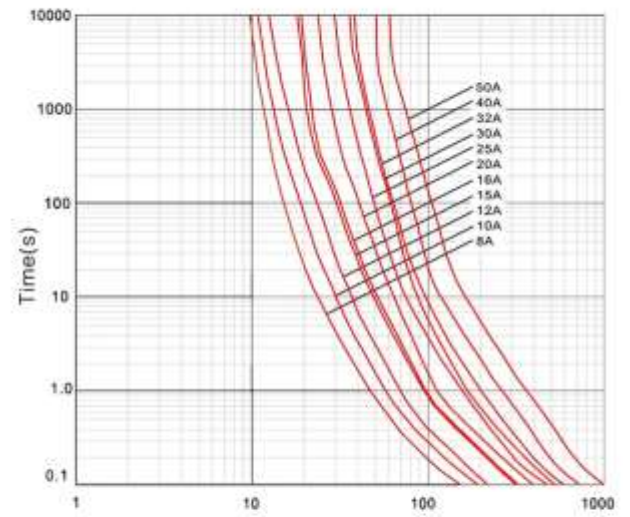
Fuse Base Model	Fuse Link Model	Fuse Size (mm)	Current Rating (A)	Rated Voltage (VDC)
JLF8-63PVS DC1500	JLF8-1085	1085:10x85	,16 ,15 ,10 ,8 ,6 ,5 ,4 ,3 ,2 32 ,30 ,25 ,20	DC1500V
	JLF8-1485	1485:14x85	50 ,45 ,40 ,35 ,30	



Curve



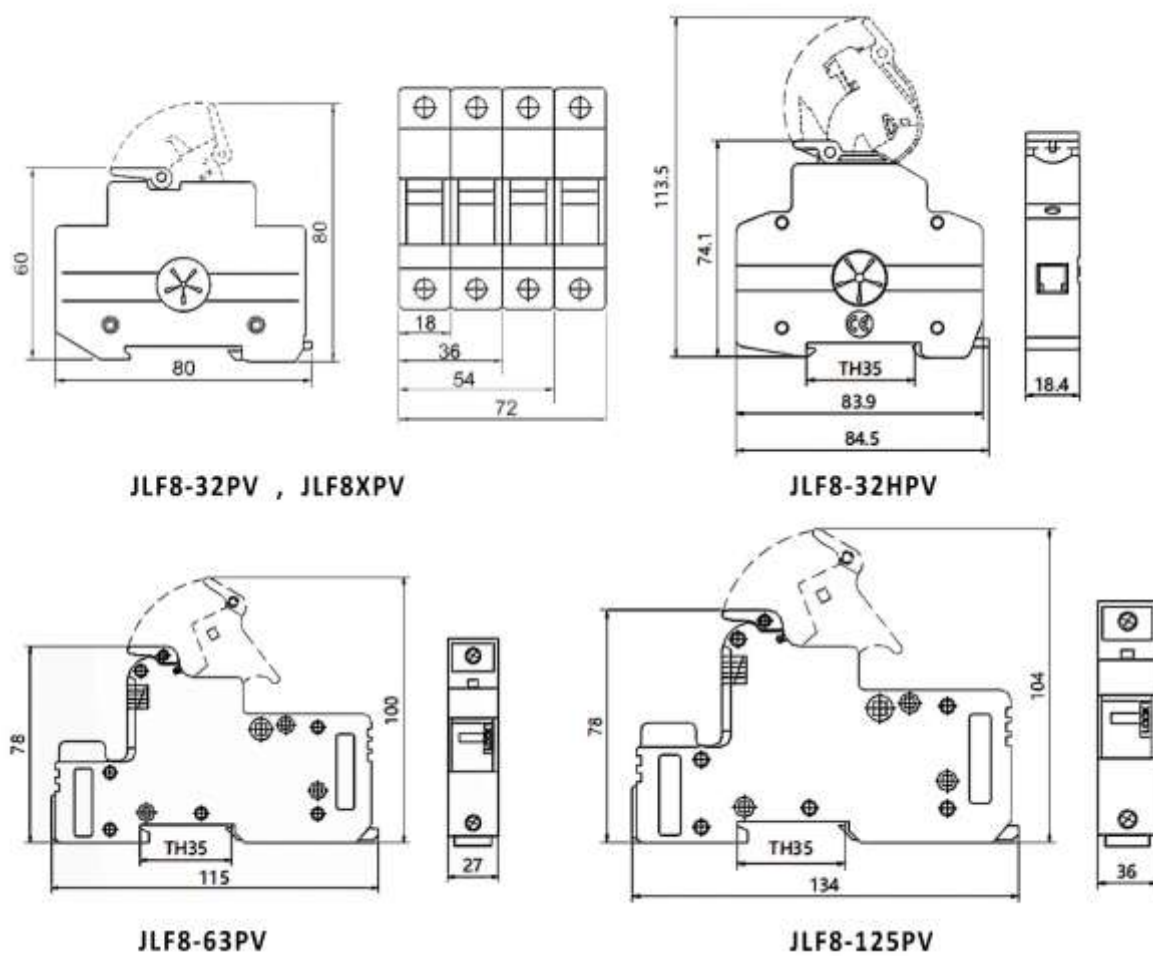
JLFH8-1085 Characteristic Curve (A RMS)



JLFH8-1085 Characteristic Curve (A RMS)

Overall and mounting dimensions(mm)

Base



Link

