

BUD-40/3

PV DC Surge Protection Device



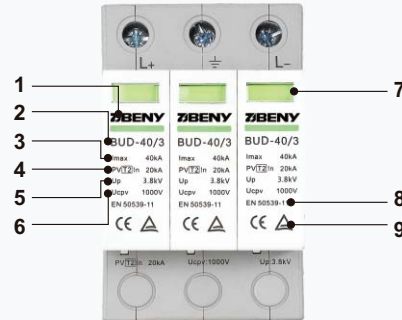
- 1 Brand
- 2 Type
- 3 Max. Discharge Current I_{max}
- 4 Nominal Discharge Current I_n
- 5 Voltage Protection Level U_p
- 6 Max. Continuous Operating Voltage U_{cpv}
- 7 Indicator
- 8 Standard Code
- 9 Certificate Symbol

- Suitable For Use in All Photovoltaic Systems
- Prewired Modular Complete Unit, Consisting of A Base Part and Plug-in Protection Modules
- Plug-in Protection Module, Easily Installation and Maintainance
- High Energy Varistor, Response Time Less Than 25 Nanosecond
- Optional Remote Signalling Contact(FM) for Monitoring Device (Floating Changeover Contact)
- Din Rail Mounting TH35-7.5/DIN35
- Comply with :EN 50539-11

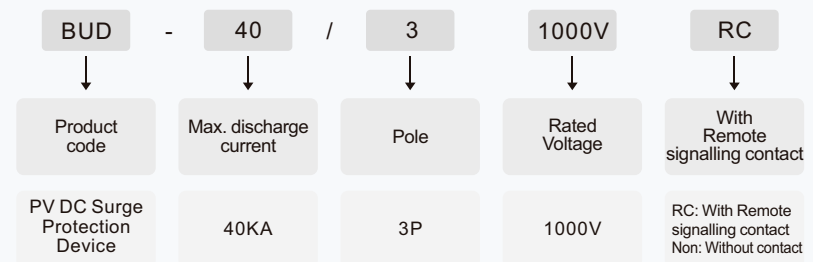
Application

ZBENY PV DC BUD-40/3 Surge Protection Device was designed and manufactured, complying the PV standard EN50539-11, It widely used in PV DC combiner box, inverter, controller and PV DC cabinet. Rated voltage 1000V DC, Maximum discharge current 40KA, High Energy Varistor, high effective for lightning protection.

Appearance Introduction



Type Instruction

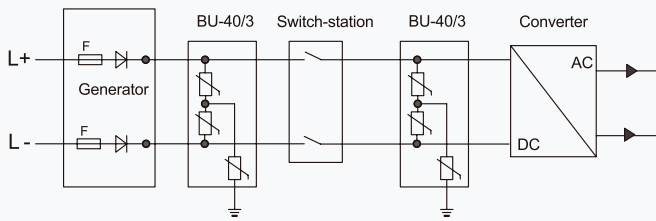


Parameter

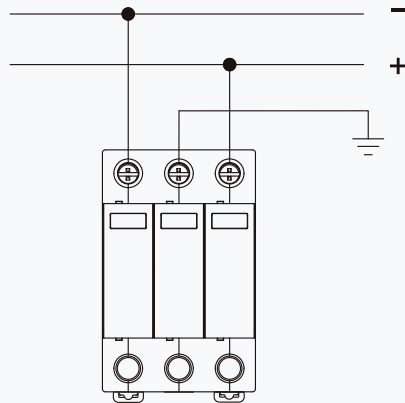
PV DC BUD-40/3 Surge Protection Device			
Pole		3P	
Standard		EN 50539-11	
Electrical Characteristics			
Category IEC/EN		IEC II/EN2	
Open Voltage	Uoc Max	1000V DC	
Max Continuous Operational Voltage	Uc	1000V DC	
Nominal Discharge Current	In(8/20)μs	20KA	
Maximum Discharge Current	Imax(8/20)μs	40KA	
Voltage Protection Level	Up	≤3.8KV	
Response Time		≤25ns	
Control and Indication			
Operating State/fault Indication		Green/Red	
Plug-in Protection Module		■	
Remote Signalling Contact(Optional)	Max. Working Voltage(V)	30V DC	
	Max. Working Current	1A	
Connection and Installation			
Wire	Hard cable mm²	4~25	
	Flexible cable mm²	4~16	
Terminal Screws		M5	
Torque(Nm)	Main Circuit	2.5	
	Remote Contact	0.25	
Degree of Protection		IP20	
Installation Environment			
Operating Temperature Range (TU)		-40°C~+85°C	
For Mounting on		TH35-7.5/DIN35	
Relative Humidity		30%~90%	
Weight kg		0.36	

BUD-40/3 PV DC Surge Protection Device

Principal Drawing



Wiring Method



Dimensions(mm)

