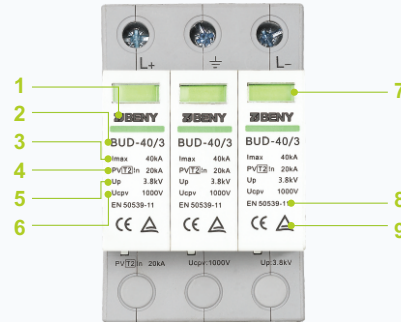# BUD-40/2
PV DC Surge Protection Device

BENY

CE

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
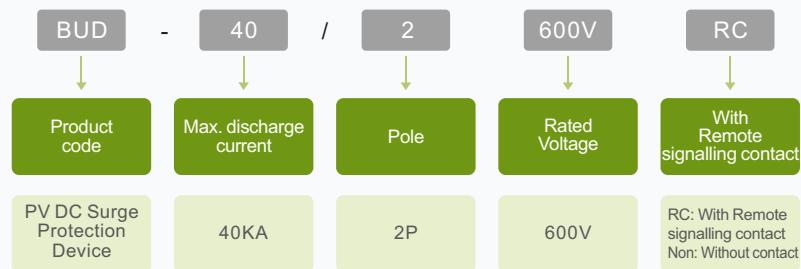- Comply with :EN 50539-11

Application

BENY PV DC BUD-40/2 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 600V DC, Maximum discharge current 40KA,High Energy Varistor, high effective for lightning protection.
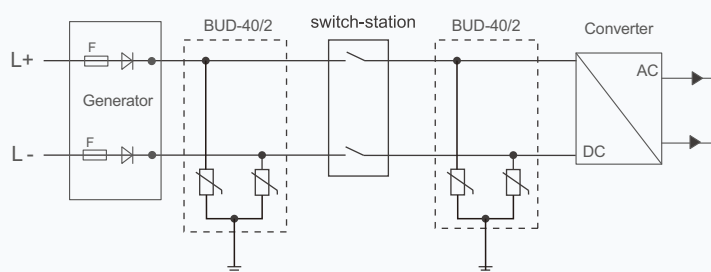
Appearance Introduction

Type Instruction

BUD	-	40	/	2	600V	RC
Product code		Max. discharge current		Pole	Rated Voltage	With Remote signalling contact
PV DC Surge Protection Device		40KA		2P	600V	RC: With Remote signalling contact Non: Without contact

Parameter

PV DC BUD-40/3 Surge Protection Device		
Pole		2P
Standard		EN 50539-11
Electrical Characteristics		
Category IEC/EN		IEC II/EN2
Open Voltage	Uoc Max	600V DC
Max Continuous Operational Voltage	Uc	600V DC
Nominal Discharge Current	In(8/20)µs	20KA
Maximum Discharge Current	Imax(8/20)µs	40KA
Voltage Protection Level Up	Up	≤3.8KV
Response Time		≤25ns
Contol 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 mm^2	4~25
	Flexible cable mm^2	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℃~+80℃
For Mounting on		TH35-7.5/DIN35
Relative Humidity		30%~90%
Weight kg		0.24

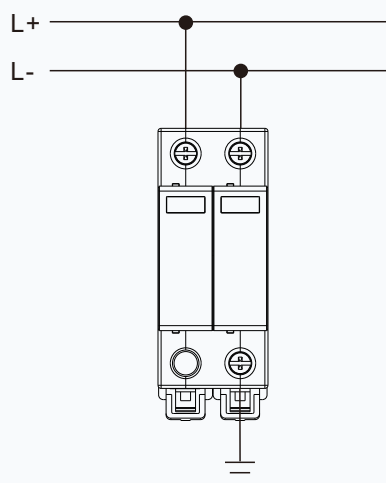DC Surge Protection Device

BUD-40/2
PV DC Surge Protection Device

Principal Drawing

Wiring Method

Dimensions(mm)