

BUD-40/3/2

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

DC Surge Arrester BUD-40/3/2 is a Type 2 DC Surge Protection Device for DC side to protect the terminal devices in PV system from over voltage, like solar panels or inverters. Available for 600Vdc ,1000Vdc,1500Vdc.

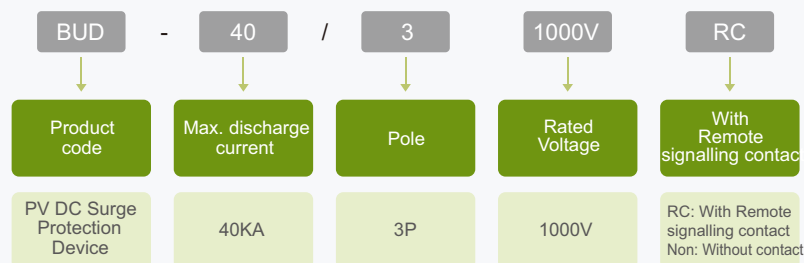
*The only RoHS compliant DC SPD in China

*EN 50539-11 PV standard

Appearance Introduction



Type Instruction



Specifications

Surge protector	BUD-40/2	BUD-40/3
PVDC - specific (IEC68143-1 /EN61643 -11)		
Pole	2P	3P
Electrical parameter		
Classified test	II	II
Uoc max (VDC)	600	1000
Uc (VDC)	600	1000
In (8 /20)us (kA)	20	20
Ima x (8 /20)us (kA)	40	40
Up (kV)	2.0	3.8

Remotesignal Contact

Remote signal contact	Maximum working voltage (V)	250VAC/30VDC	250VAC /30VDC
	Maximum working current (A) IA (250 V /AC)	IA (250V/AC)	IA (250V /AC)
	IA (30 V DC)	IA (30V/AC)	IA (30V /AC)

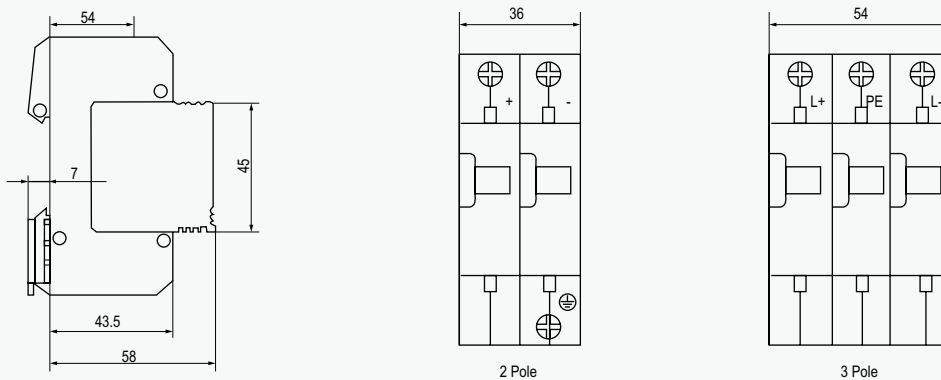
Installation and Dimensions

Wiring capacity(mm²)	Hard wire	4~25	4~25
	Flexible wire	4~16	4~16
Stripping length(mm)		10	10
Terminals crwca		M5	M5
Torque (Nm)	Main circuit	3.5	3.5
	Remote signal contact	0.25	0.25
Protection class	All profile	IP40	IP40
	Connection port	IP20	IP20
Installation environment		No obvious shock and vibration	
Altitude (m)		≤2000	≤2000
Working Temperature		-30℃ ~ +70℃	-30℃ ~ +70℃
Relative humidity		30%~90 %	30%~90 %
How to install		Installed with H 35-7.5/DIN35 steel mounting rail	
Size (mm)	W	36	54
	H	90	90
(W x H x L)	L	67.6	67.6
Weight (kg)		0.24	0.36

BUD-40/3

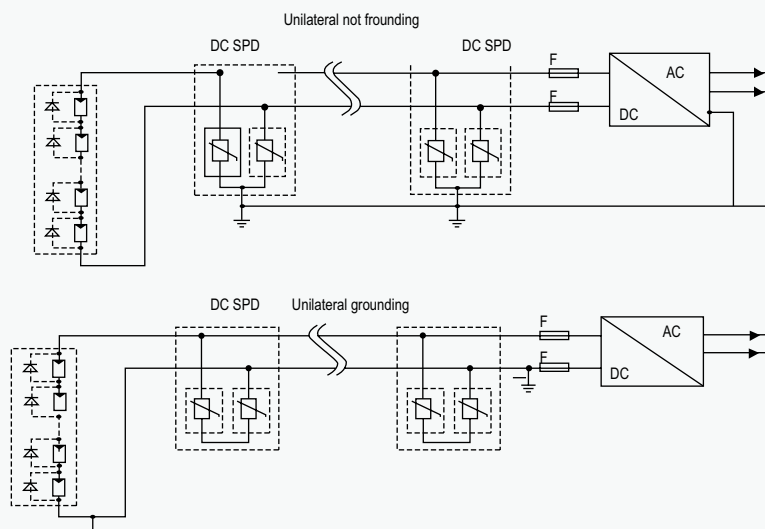
PV DC Surge Protection Device

Dimensions



Operating Principle(PV System)

2 Pole



3 Pole

