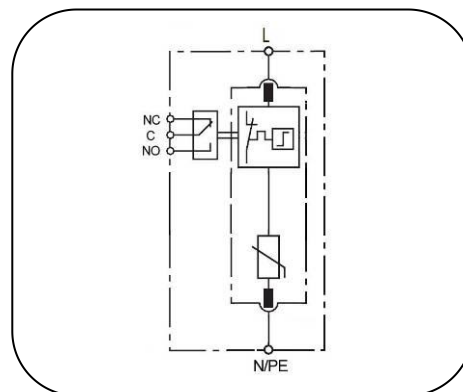
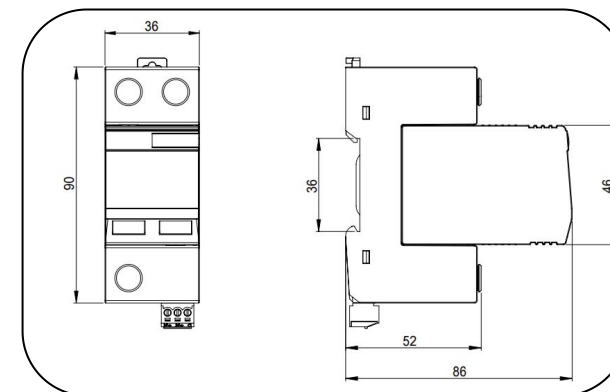


Class I + Class II, Single pole Surge Arresters
BP25V...


Basic circuit diagram



Dimension drawing

The BP25V is class I & class II (or T1+T2) SPD designed for low-voltage power system lightning current & surge protection, especially for location of high risk exposure or LPZ 0-2 building entrances (IEC 62305-4) to against the damage from direct or close lightning strikes.

With built in PROSURGE high energy MOV, BP25V ensures remarkable lightning current discharge capacity up to 25 kA 10/350 μ s. The unique design of thermal protection provides quick thermal response and secure disconnection. B25V series are ideal protection for environments with frequent switching operations or lightning strikes.

- TUV certified T1+ T2 SPD per IEC/EN 61643-11 standard.
- Single pole SPD for multi-purpose surge protection
- Unique thermal disconnecter design provides quick thermal response and secure disconnection
- Lightning current capacity up to 25 kA10/350 μ s
- Surge current capability up to 100kA 8/20 μ s
- Low voltage protection level
- High short-circuit current rating up to 50kArms, suitable for application in most AC power systems.
- Degradation failure indication and optional remote signal contact.
- Pluggable module for easy replacement without the need to remove system wiring.
- Wide operating temperature -40° C ~85° C
- 35mm DIN-rail mounting
- Comply with UL1449 5th, IEEE C62.41,CSA C22.2 standards

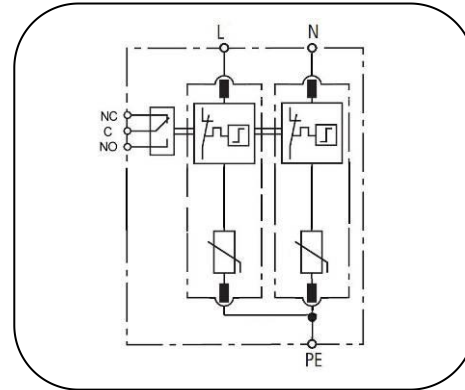
POWER SUPPLY SYSTEM

Technical data

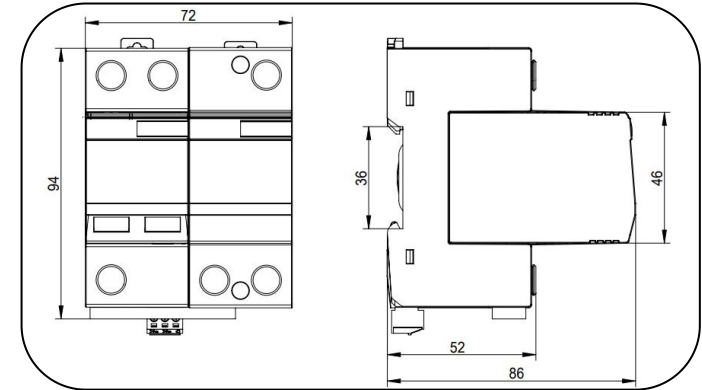
Part No.	BP25V/75(-S)	BP25V/150(-S)	BP25V/180(-S)	BP25V/275(-S)	BP25V/320(-S)	BP25V/350(-S)	BP25V/385(-S)	BP25V/440(-S)	BP25V/480(-S)	BP25V/600(-S)	BP25V/750(-S)
In accordance with	IEC/EN 61643-11:2011; UL1449 5th										
Category IEC/EU/VDE	I+ II /1+2/ B+C										
Protection mode	L-N or L-PE or N-PE										
Nominal Voltage (AC) U_n	60V	120V	120V	230V	230V	277V	277V	400V	400V	480V	600V
Power frequency	50/60Hz										
Max. continuous operating voltage(AC) U_c	75V	150V	180V	275V	320V	350V	385V	440V	480V	600V	750V
Nominal discharge current(8/20) I_n	25kA										
Max. discharge current(8/20) I_{max}	100kA										
Lightning impulse current (10/350) I_{imp}	25kA	25kA	25kA	25kA	25kA	25kA	25kA	22kA	22kA	15kA	4kA
Voltage protection level U_p	0.6kV	0.8kV	1.0kV	1.2kV	1.4kV	1.5kV	1.8kV	2.0kV	2.2kV	2.5kV	2.8kV
Response time t_A	≤ 25 ns										
Temporary overvoltage TOV Withstand mode U_T	90V/5s	174V/5s	228V/5s	335V/5s	335V/5s	403V/5s	403V/5s	580V/5s	580V/5s	700V/5s	870V/5s
Follow current & interrupt rating I_{fi}	No										
Leakage current I_{pe}	< 0.1 mA										
Short-circuit current rating I_{sscr}	50 kArms										
Backup fuse(only required if not already provided in mains)	≤ 315 A gL/gG										
Operating temperature range	$-40^\circ\text{C} \sim +85^\circ\text{C}$										
Altitude	$-500\text{m} \sim +4000\text{m}$										
Cross-section of connection wire (max)	Single-strand 35mm ² ; multi-strand 25mm ²										
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3										
Enclosure material	Thermoplastic; extinguishing degree UL94 V-0										
Degree of protection	IP20										
Installation width	2 module, DIN 43880										
Thermal disconnecter	Internal Green – normal ; red - failure										
Remote alarm contact	Optional										
Approvals, Certifications	TUV, CE										
Additional data for Remote Alarm Contacts											
Remote alarm contact type	Isolated Form C										
Switching capability U_n/I_n	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A										
Cross-section of remote signaling wire	Max. 1.5mm ² (or # 16AWG)										

Class I + Class II, Two poles Surge Arresters

BP25V...2P



Basic circuit diagram



Dimension drawing

The BP25V 2P is class I & class II (or T1+T2) prewired two poles SPD designed for low-voltage power system lightning current & surge protection, especially for location of high risk exposure or LPZ 0-2 building entrances (IEC 62305-4) to against the damage from direct or close lightning strikes.

With built in PROSURGE high energy MOV, BP25V 2P ensures remarkable lightning current discharge capacity up to 25 kA 10/350µs. The unique design of thermal protection provides quick thermal response and secure disconnection. B25V 2P is ideal protection for environments with frequent switching operations or lightning strikes.

- TUV certified T1+ T2 SPD per IEC/EN 61643-11 standard.
- Prewired two poles SPD (“2+0” circuit) for use in single phase or two phase systems
- Unique thermal disconnecter design provides quick thermal response and secure disconnection
- Lightning current capacity up to 25 kA10/350 µ s
- Surge current capability up to 100kA 8/20 µ s
- Low voltage protection level
- High short-circuit current rating up to 50kArms, suitable for application in most AC power systems.
- Degradation failure indication and optional remote signal contact.
- Pluggable module for easy replacement without the need to remove system wiring.
- Wide operating temperature -40° C ~85° C
- 35mm DIN-rail mounting
- Comply with UL1449 5th, IEEE C62.41,CSA C22.2 standards

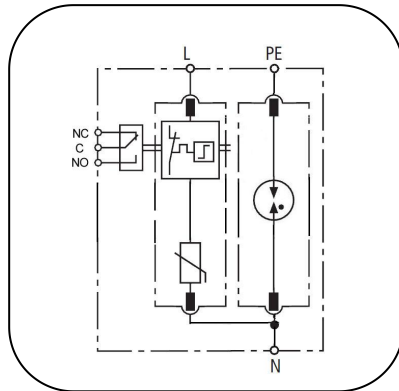
POWER SUPPLY SYSTEM

Technical data

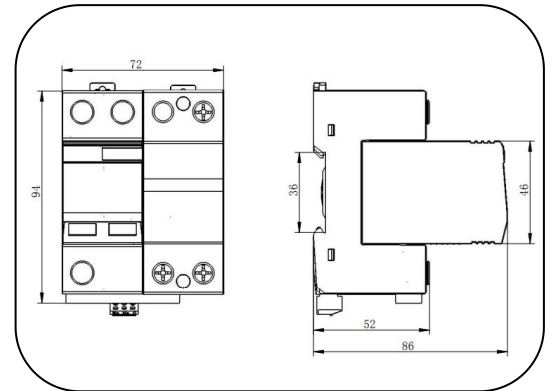
Part No.	BP25V/75(-S)/ 2P	BP25V/150(-S)/ 2P	BP25V/180(-S)/ 2P	BP25V/275(-S)/ 2P	BP25V/320(-S)/ 2P	BP25V/350(-S)/ 2P	BP25V/385 (-S)/2P	BP25V/440(-S)/ 2P	BP25V/480(-S)/ 2P	BP25V/600(-S)/ 2P	BP25V/750(-S)/ 2P
In accordance with	IEC/EN 61643-11:2011; UL1449 5th										
Category IEC/EU/VDE	I+ II /1+2/ B+C										
Protection mode	L-PE, N-PE										
Nominal Voltage (AC) U_n	60V	120V	120V	230V	230V	277V	277V	400V	400V	480V	600V
Power frequency	50/60Hz										
Max. continuous operating voltage(AC) U_c	75V	150V	180V	275V	320V	350V	385V	440V	480V	600V	750V
Nominal discharge current(8/20) I_n	25kA										
Max. discharge current(8/20) I_{max}	100kA										
Lightning impulse current (10/350) I_{imp}	25kA	25kA	25kA	25kA	25kA	25kA	25kA	22kA	22kA	15kA	4kA
Voltage protection level U_p	0.6kV	0.8kV	1.0kV	1.2kV	1.4kV	1.5kV	1.8kV	2.0kV	2.2kV	2.5kV	2.8kV
Response time t_A	≤ 25 ns										
Temporary overvoltage TOV U_T Withstand mode	90V/5s	174V/5s	228V/5s	335V/5s	335V/5s	403V/5s	403V/5s	580V/5s	580V/5s	700V/5s	870V/5s
Follow current & interrupt rating I_{fi}	No										
Leakage current I_{pe}	< 0.1 mA										
Short-circuit current rating I_{sscr}	50 kArms										
Backup fuse(only required if not already provided in mains)	≤ 315 A gL/gG										
Operating temperature range	$-40^\circ\text{C} \sim +85^\circ\text{C}$										
Altitude	$-500\text{m} \sim +4000\text{m}$										
Cross-section of connection wire (max)	Single-strand 35mm ² ; multi-strand 25mm ²										
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3										
Enclosure material	Thermoplastic; extinguishing degree UL94 V-0										
Degree of protection	IP20										
Installation width	4 module, DIN 43880										
Thermal disconnecter	Internal Green – normal ; red - failure										
Remote alarm contact	Optional										
Approvals, Certifications	TUV, CE										
Additional data for Remote Alarm Contacts											
Remote alarm contact type	Isolated Form C										
Switching capability U_n/I_n	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A										
Cross-section of remote signaling wire	Max. 1.5mm ² (or # 16AWG)										

Class I + Class II, Two poles Surge Arresters

BP25V/...-PN50



Basic circuit diagram



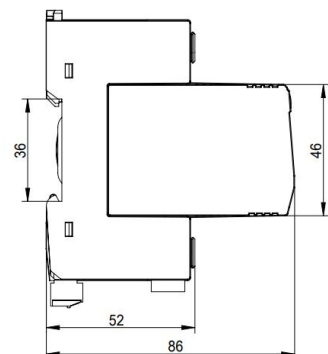
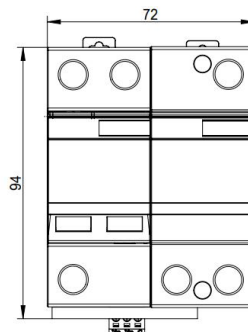
Dimension drawing

The BP25V PN50 is class I & class II (or T1+T2) prewired two poles SPD designed for low-voltage power system lightning current & surge protection, especially for location of high risk exposure or LPZ 0-2 building entrances (IEC 62305-4) to against the damage from direct or close lightning strikes.

With built in PROSURGE high energy MOV and GDT, BP25V PN50 ensures remarkable lightning current discharge capacity up to 25 kA 10/350 μ s(L-N) and 50kA 10/350 μ s(N-PE). The unique design of thermal protection provides quick thermal response and secure disconnection. B25V PN50 is ideal protection for environments with frequent switching operations or lightning strikes.

- TUV certified T1+ T2 SPD per IEC/EN 61643-11 standard
- Prewired two poles SPD (“1+1” circuit) for use in single phase
- Unique thermal disconnecter design provides quick thermal response and secure disconnection
- Lightning current capacity up to 25kA10/350 μ s(L-N), 50kA 10/350 μ s(N-PE)
- Surge current capability up to 100kA 8/20 μ s
- Low voltage protection level
- High short-circuit current rating up to 50kArms, suitable for application in most AC power systems.
- Degradation failure indication and optional remote signal contact.
- Pluggable module for easy replacement without the need to remove system wiring.
- Wide operating temperature -40° C ~85° C
- 35mm DIN-rail mounting
- Comply with UL1449 5th, IEEE C62.41,CSA C22.2 standards

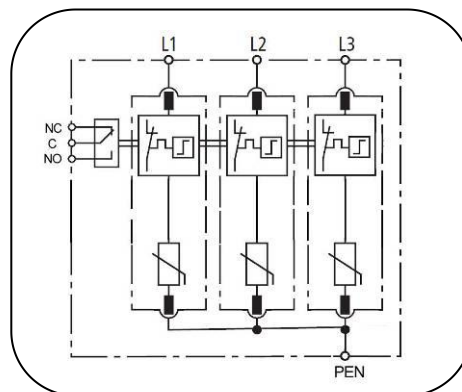
(Alternative part)



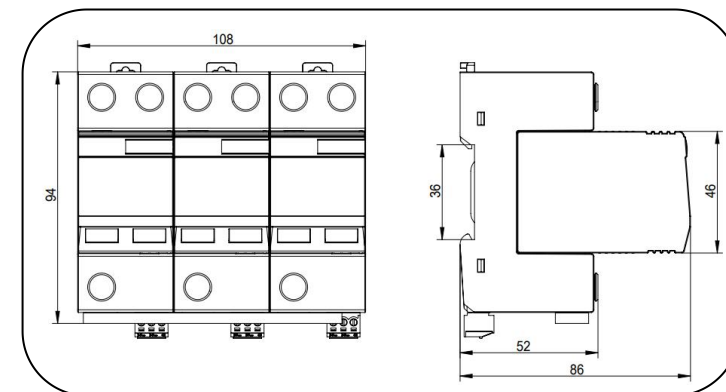
POWER SUPPLY SYSTEM

Technical data

Part No.		BP25V/150(-S) /PN50	BP25V/180(-S) /PN50	BP25V/275(-S) /PN50	BP25V/320(-S) /PN50	BP25V/350(-S) /PN50	BP25V/385(-S) /PN50
In accordance with		IEC/EN 61643-11:2011; UL1449 5th					
Category IEC/EU/VDE		I+ II /1+2/ B+C					
Protection mode		L-N ,N-PE					
Nominal Voltage (AC) U_n		120V/208V	120V/208V	230V/400V	230V/400V	277V/480V	277V/480V
Power frequency		50/60Hz					
Max. continuous operating voltage(AC) U_c	L-N	150V	180V	275V	320V	350V	385V
	N-PE	150V	150V	255V	255V	255V	255V
Nominal discharge current(8/20) I_n	L-N	25kA					
	N-PE	50kA					
Max. discharge current(8/20) I_{max}		100kA					
Lightning impulse current (10/350) I_{imp}	L-N	25kA	25kA	25kA	25kA	25kA	25kA
	N-PE	50kA	50kA	50kA	50kA	50kA	50kA
Voltage protection level U_p	L-N	0.8kV	1.0kV	1.2kV	1.4kV	1.5kV	1.8kV
	N-PE	1.5kV	1.5kV	1.5kV	1.5kV	1.5kV	1.5kV
Response time t_A	L-N	≤ 25 ns					
	N-PE	≤ 100 ns					
Temporary overvoltage TOV Withstand mode U_T	L-N	174V/5s	228V/5s	335V/5s	335V/5s	403V/5s	403V/5s
	N-PE	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms
Follow current & interrupt rating I_{fi}	N-PE	100A					
Leakage current I_{pe}		< 0.1 mA					
Short-circuit current rating I_{sscr}		50kArms					
Backup fuse(only required if not already provided in mains)		≤ 315 A gL/gG					
Operating temperature range		$-40^\circ\text{C} \sim +85^\circ\text{C}$					
Altitude		$-500\text{m} \sim +4000\text{m}$					
Cross-section of connection wire (max)		Single-strand 35mm ² ; multi-strand 25mm ²					
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3					
Enclosure material		Thermoplastic; extinguishing degree UL94 V-0					
Degree of protection		IP20					
Installation width		4 module, DIN 43880					
Thermal disconnecter		Internal Green – normal ; red - failure					
Remote alarm contact		Optional					
Approvals, Certifications		TUV, CE					
Additional data for Remote Alarm Contacts							
Remote alarm contact type		Isolated Form C					
Switching capability U_n/I_n		AC: 250V/0.5A		DC: 250V/0.1A; 125V/0.2A; 75V/0.5A			
Cross-section of remote signaling wire (max)		1.5mm ² (or # 16AWG)					

Class I + Class II, Three poles Surge Arresters
BP25V...3P


Basic circuit diagram



Dimension drawing

The BP25V 3P is class I & class II (or T1+T2) prewired three poles SPD designed for low-voltage power system lightning current & surge protection, especially for location of high risk exposure or LPZ 0-2 building entrances (IEC 62305-4) to against the damage from direct or close lightning strikes.

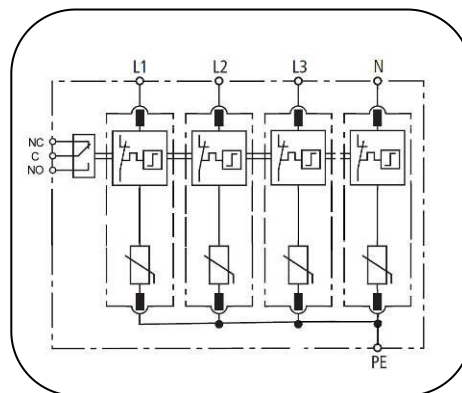
With built in PROSURGE high energy MOV, BP25V 3P ensures remarkable lightning current discharge capacity up to 25 kA 10/350 μ s. The unique design of thermal protection provides quick thermal response and secure disconnection. B25V 3P is ideal protection for environments with frequent switching operations or lightning strikes.

- TUV certified T1+ T2 SPD per IEC/EN 61643-11 standard.
- Prewired three poles SPD (“3+0” circuit) for use in three phase IT / TN-C systems
- Unique thermal disconnecter design provides quick thermal response and secure disconnection
- Lightning current capacity up to 25 kA10/350 μ s
- Surge current capability up to 100kA 8/20 μ s
- Low voltage protection level
- High short-circuit current rating up to 50kArms, suitable for application in most AC power systems.
- Degradation failure indication and optional remote signal contact.
- Pluggable module for easy replacement without the need to remove system wiring.
- Wide operating temperature -40° C ~85° C
- 35mm DIN-rail mounting
- Comply with UL1449 5th, IEEE C62.41,CSA C22.2 standards

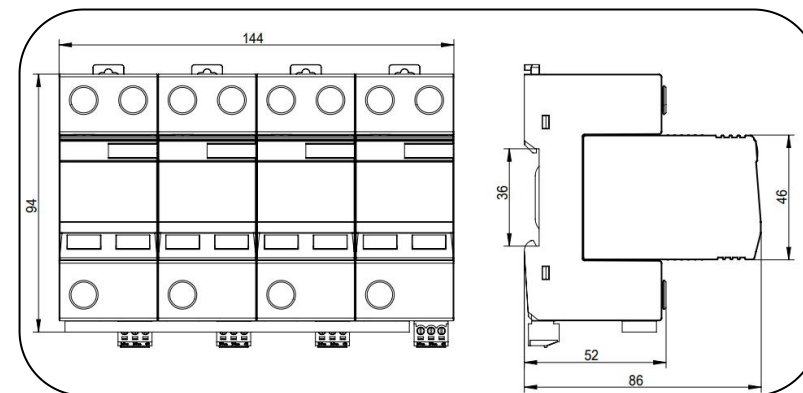
POWER SUPPLY SYSTEM

Technical data

Part No.	BP25V/75(-S)/3P	BP25V/150(-S)/3P	BP25V/180(-S)/3P	BP25V/275(-S)/3P	BP25V/320(-S)/3P	BP25V/350(-S)/3P	BP25V/385(-S)/3P	BP25V/440(-S)/3P	BP25V/480(-S)/3P	BP25V/600(-S)/3P	BP25V/750(-S)/3P
In accordance with	IEC/EN 61643-11:2011; UL1449 5th										
Category IEC/EU/VDE	I+ II /1+2/ B+C										
Protection mode	L-PE										
Nominal Voltage (AC) U_n	60V	120V	120V	230V	230V	277V	277V	400V	400V	480V	600V
Power frequency	50/60Hz										
Max. continuous operating voltage(AC) U_c	75V	150V	180V	275V	320V	350V	385V	440V	480V	600V	750V
Nominal discharge current(8/20) I_n	25kA										
Max. discharge current(8/20) I_{max}	100kA										
Lightning impulse current (10/350) I_{imp}	25kA	25kA	25kA	25kA	25kA	25kA	25kA	22kA	22kA	15kA	4kA
Voltage protection level U_p	0.6kV	0.8kV	1.0kV	1.2kV	1.4kV	1.5kV	1.8kV	2.0kV	2.2kV	2.5kV	2.8kV
Response time t_A	≤ 25 ns										
Temporary overvoltage TOV U_T Withstand mode	90V/5s	174V/5s	228V/5s	335V/5s	335V/5s	403V/5s	403V/5s	580V/5s	580V/5s	700V/5s	870V/5s
Follow current & interrupt rating I_{fi}	No										
Leakage current I_{pe}	< 0.1 mA										
Short-circuit current rating I_{sscr}	50 kArms										
Backup fuse(only required if not already provided in mains)	≤ 315 A gL/gG										
Operating temperature range	$-40^\circ\text{C} \sim +85^\circ\text{C}$										
Altitude	$-500\text{m} \sim +4000\text{m}$										
Cross-section of connection wire (max)	Single-strand 35mm ² ; multi-strand 25mm ²										
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3										
Enclosure material	Thermoplastic; extinguishing degree UL94 V-0										
Degree of protection	IP20										
Installation width	6 module, DIN 43880										
Thermal disconnecter	Internal Green – normal ; red - failure										
Remote alarm contact	Optional										
Approvals, Certifications	TUV, CE										
Additional data for Remote Alarm Contacts											
Remote alarm contact type	Isolated Form C										
Switching capability U_n/I_n	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A										
Cross-section of remote signaling wire	Max. 1.5mm ² (or # 16AWG)										

Class I + Class II, Four poles Surge Arresters
BP25V...4P


Basic circuit diagram



Dimension drawing

The BP25V 4P is class I & class II (or T1+T2) prewired four poles SPD designed for low-voltage power system lightning current & surge protection, especially for location of high risk exposure or LPZ 0-2 building entrances (IEC 62305-4) to against the damage from direct or close lightning strikes.

With built in PROSURGE high energy MOV, BP25V 4P ensures remarkable lightning current discharge capacity up to 25 kA 10/350 μ s. The unique design of thermal protection provides quick thermal response and secure disconnection. B25V 4P is ideal protection for environments with frequent switching operations or lightning strikes.

- TUV certified T1+ T2 SPD per IEC/EN 61643-11 standard.
- Prewired three poles SPD (“4+0” circuit) for use in three phase TN / TT systems.
- Unique thermal disconnecter design provides quick thermal response and secure disconnection
- Lightning current capacity up to 25 kA10/350 μ s
- Surge current capability up to 100kA 8/20 μ s
- Low voltage protection level
- High short-circuit current rating up to 50kArms, suitable for application in most AC power systems.
- Degradation failure indication and optional remote signal contact.
- Pluggable module for easy replacement without the need to remove system wiring.
- Wide operating temperature -40° C ~85° C
- 35mm DIN-rail mounting
- Comply with UL1449 5th, IEEE C62.41,CSA C22.2 standards

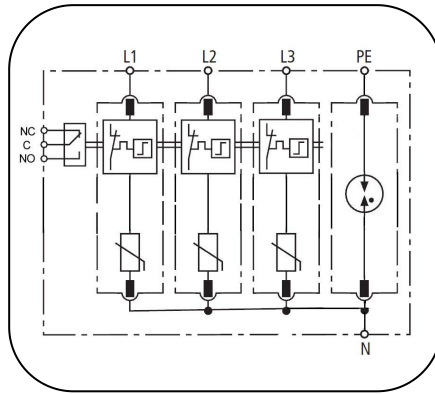
POWER SUPPLY SYSTEM

Technical data

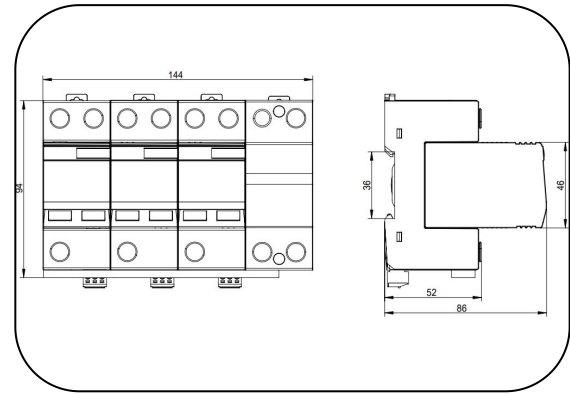
Part No.	BP25V/75(-S)/4P	BP25V/150(-S)/4P	BP25V/180(-S)/4P	BP25V/275(-S)/4P	BP25V/320(-S)/4P	BP25V/350(-S)/4P	BP25V/385(-S)/4P	BP25V/440(-S)/4P	BP25V/480(-S)/4P	BP25V/600(-S)/4P	BP25V/750(-S)/4P
In accordance with	IEC/EN 61643-11:2011; UL1449 5th										
Category IEC/EU/VDE	I+ II /1+2/ B+C										
Protection mode	L-PE, N-PE										
Nominal Voltage (AC) U_n	60V	120V	120V	230V	230V	277V	277V	400V	400V	480V	600V
Power frequency	50/60Hz										
Max. continuous operating voltage(AC) U_c	75V	150V	180V	275V	320V	350V	385V	440V	480V	600V	750V
Nominal discharge current(8/20) I_n	25kA										
Max. discharge current(8/20) I_{max}	100kA										
Lightning impulse current (10/350) I_{imp}	25kA	25kA	25kA	25kA	25kA	25kA	25kA	22kA	22kA	15kA	4kA
Voltage protection level U_p	0.6kV	0.8kV	1.0kV	1.2kV	1.4kV	1.5kV	1.8kV	2.0kV	2.2kV	2.5kV	2.8kV
Response time t_A	≤ 25 ns										
Temporary overvoltage TOV U_T Withstand mode	90V/5s	174V/5s	228V/5s	335V/5s	335V/5s	403V/5s	403V/5s	580V/5s	580V/5s	700V/5s	870V/5s
Follow current & interrupt rating I_{fi}	No										
Leakage current I_{pe}	< 0.1 mA										
Short-circuit current rating I_{sscr}	50 kArms										
Backup fuse(only required if not already provided in mains)	≤ 315 A gL/gG										
Operating temperature range	$-40^\circ\text{C} \sim +85^\circ\text{C}$										
Altitude	$-500\text{m} \sim +4000\text{m}$										
Cross-section of connection wire (max)	Single-strand 35mm ² ; multi-strand 25mm ²										
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3										
Enclosure material	Thermoplastic; extinguishing degree UL94 V-0										
Degree of protection	IP20										
Installation width	8 module, DIN 43880										
Thermal disconnecter	Internal Green – normal ; red - failure										
Remote alarm contact	Optional										
Approvals, Certifications	TUV, CE										
Additional data for Remote Alarm Contacts											
Remote alarm contact type	Isolated Form C										
Switching capability U_n/I_n	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A										
Cross-section of remote signaling wire	Max. 1.5mm ² (or # 16AWG)										

Class I + Class II, Four poles Surge Arresters

BP25V/...-3PN100



Basic circuit diagram



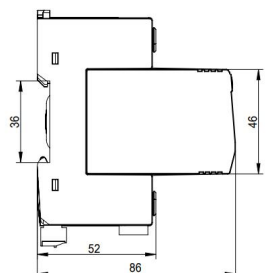
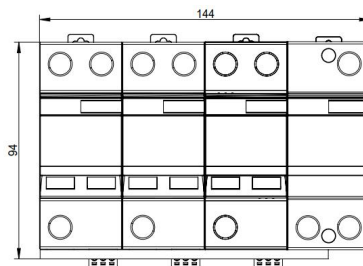
Dimension drawing

The BP25V 3PN100 is class I & class II (or T1+T2) prewired four poles SPD designed for low-voltage power system lightning current & surge protection, especially for location of high risk exposure or LPZ 0-2 building entrances (IEC 62305-4) to against the damage from direct or close lightning strikes.

With built in PROSURGE high energy MOV and GDT, BP25V 3PN100 ensures remarkable lightning current discharge capacity up to 25 kA 10/350 μ s(L-N) and 100kA 10/350 μ s(N-PE). The unique design of thermal protection provides quick thermal response and secure disconnection. B25V 3PN100 is ideal protection for environments with frequent switching operations or lightning strikes.

- TUV certified T1+ T2 SPD per IEC/EN 61643-11 standard
- Prewired four poles SPD (“3+1” circuit) for use in three phase TN/TT systems
- Unique thermal disconnecter design provides quick thermal response and secure disconnection
- Lightning current capacity up to 25kA10/350 μ s(L-N), 100kA 10/350 μ s(N-PE)
- Surge current capability up to 100kA 8/20 μ s(L-N), 150kA(N-PE)
- Low voltage protection level
- High short-circuit current rating up to 50kArms, suitable for application in most AC power systems.
- Degradation failure indication and optional remote signal contact.
- Pluggable module for easy replacement without the need to remove system wiring.
- Wide operating temperature -40° C ~85° C
- 35mm DIN-rail mounting
- Comply with UL1449 5th, IEEE C62.41,CSA C22.2 standards

(Alternative part)



POWER SUPPLY SYSTEM

Technical data

Part No.	BP25V/150(-S) /3PN100	BP25V/180(-S) /3PN100	BP25V/275(-S) /3PN100	BP25V/320(-S) /3PN100	BP25V/350(-S) /3PN100	BP25V/385(-S) /3PN100	
In accordance with	IEC/EN 61643-11:2011; UL1449 5th						
Category IEC/EU/VDE	I+ II /1+2/ B+C						
Protection mode	L-N ,N-PE						
Nominal Voltage (AC) U_n	120V/208V	120V/208V	230V/400V	230V/400V	277V/480V	277V/480V	
Power frequency	50/60Hz						
Max. continuous operating voltage(AC) U_c	L-N	150V	180V	275V	320V	350V	385V
	N-PE	150V	150V	255V	255V	255V	255V
Nominal discharge current(8/20) I_n	L-N	25kA					
	N-PE	50kA					
Max. discharge current(8/20) I_{max}	L-N	100kA					
	N-PE	150kA					
Lightning impulse current (10/350) I_{imp}	L-N	25kA	25kA	25kA	25kA	25kA	25kA
	N-PE	100kA	100kA	100kA	100kA	100kA	100kA
Voltage protection level U_p	L-N	0.8kV	1.0kV	1.2kV	1.4kV	1.5kV	1.8kV
	N-PE	1.5kV	1.5kV	1.5kV	1.5kV	1.5kV	1.5kV
Response time t_A	L-N	≤ 25 ns					
	N-PE	≤ 100 ns					
Temporary overvoltage TOV U_T Withstand mode	L-N	174V/5s	228V/5s	335V/5s	335V/5s	403V/5s	403V/5s
	N-PE	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms
Follow current & interrupt rating I_{fi}	N-PE	100A					
Leakage current I_{pe}	< 0.1 mA						
Short-circuit current rating I_{sscr}	50kArms						
Backup fuse(only required if not already provided in mains)	≤ 315 A gL/gG						
Operating temperature range	$-40^\circ\text{C} \sim +85^\circ\text{C}$						
Altitude	$-500\text{m} \sim +4000\text{m}$						
Cross-section of connection wire (max)	Single-strand 35mm ² ; multi-strand 25mm ²						
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3						
Enclosure material	Thermoplastic; extinguishing degree UL94 V-0						
Degree of protection	IP20						
Installation width	8 module, DIN 43880						
Thermal disconnecter	Internal Green – normal ; red - failure						
Remote alarm contact	Optional						
Approvals, Certifications	TUV, CE						
Additional data for Remote Alarm Contacts							
Remote alarm contact type	Isolated Form C						
Switching capability U_n/I_n	AC: 250V/0.5A		DC: 250V/0.1A; 125V/0.2A; 75V/0.5A				
Cross-section of remote signaling wire (max)	1.5mm ² (or # 16AWG)						