



SPB440D

Surge Protection Device 4P T2 TNS/TT Uc 275V In 20kA Imax 40kA

Technical characteristics

Main electrical features Rated operational voltage Ue 240 / 41s Frequency 50/60 H Nominal discharge current (In) 8/20µs, IEC 61643)L-N(PEN)/ N-PE Voltage 27s Waximum continuous operating voltage Uc 27s Voltage protection level Up according to 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.35 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current 20 k Dimensions 20 k Depth of installed product 58.2 mm Height of installed product 89.8 mm Width of installed product 25 k Network configuration 25 k Network configuration 25 k Network configuration 25 k Network type TT/TM-Installation, mounting Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1	Number of modules	4
Main electrical features Rated operational voltage Ue 240 / 415 Frequency 50/60 H Nominal discharge current (In) 8/20µs, IEC 61643)L-N(PEN)/ N-PE Voltage 275 Waximum continuous operating voltage Uc 275 Voltage protection level Up according to 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.35 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current 20 k Dimensions 20 k Depth of installed product 58.2 mm Height of installed product 58.2 mm Height of installed product 58.2 mm Width of installed product 58.2 mm Height of installed product 58.2 mm Height of installed product 58.2 mm Width of installed product 58.2 mm Height of installed product 58.2 mm Width of installed product 58.2 mm Network configuration 25 k Network configuration 71.2 mm Installation, mounting 71.2 mm	Controls and indicators	
Rated operational voltage Ue 240 / 415 Frequency 50/60 H Nominal discharge current (In) 8/20µs, IEC 61643)_L-N(PEN)/ N-PE 20 k Voltage V Voltage V Voltage protection level Up according to IEC61643-1 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.35 k Electric current 2 Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions 2 Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 2 Short-circuit breaking capacity (Isccr) 25 k Network configuration 1 Network type TT/TTN- Installation, mounting 1 Tightening torque 2 Connection Cross-section of input and output with screws, for massive conductors 1.5 / 35 mr	Indicator lamp	Optic
Frequency 50/60 H Nominal discharge current (In) 8/20µs, IEC 20 k Id643)L-N(PEN)/ N-PE 20 k Voltage 275 Waximum continuous operating voltage Uc 275 Voltage protection level Up according to 1.35 k IEC61643-1 1.35 k Voltage protection level Up L-PE/N-PE 1.5 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current 225 k Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions 28.2 mr Height of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 25 k Network configuration 25 k Network type TT/TN- Installation, mounting 11/171.2 mr Tightening torque 20 k Connection 20 k Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr	Main electrical features	
Nominal discharge current (In) 8/20µs, IEC 61643]L-N(PEN)/ N-PE 20 k Voltage Maximum continuous operating voltage Uc 275 Voltage protection level Up according to IEC61643-1 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.35 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN) N-PE 40 k Dimensions Depth of installed product 189.8 mr Width of installed product 189.8 mr Width of installed product 199.8 mr Electrical specifications Short-circuit breaking capacity (Isccr) 25 k Network configuration Network type TT/TN- Installation, mounting Tightening torque Connection Connection of input and output with screws, for massive conductors 1.5 / 35 mr	Rated operational voltage Ue	240 / 415 V
61643)L-N(PEN)/ N-PE 20 k Voltage 275 Maximum continuous operating voltage Uc 275 Voltage protection level Up according to IEC61643-1 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.5 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current 20 k Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions 20 k Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 25 k Network configuration 25 k Network type TT/TN- Installation, mounting 11/TN- Tightening torque Connection Connection 1.5 / 35 mr	Frequency	50/60 Hz
Maximu continuous operating voltage Uc 275 Voltage protection level Up according to ECG51643-1 1.35 k Voltage protection level Up L-PE/N-PE according to IECG1643-11 1.5 k Voltage level Up L-N/PEN IECG1643-11 1.35 k Electric current Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications Short-circuit breaking capacity (Isccr) 25 k Network configuration Network type TT/TN- Installation, mounting Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr		20 kA
Voltage protection level Up according to IEC61643-1 1.35 k Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.35 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications Short-circuit breaking capacity (Isccr) 25 k Network configuration Network type TT/TN- Installation, mounting Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr	Voltage	
Voltage protection level Up L-PE/N-PE according to IEC61643-11 1.5 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications Short-circuit breaking capacity (Isccr) 25 k Network configuration Network type TT/TN- Installation, mounting Tightening torque Connection	Maximum continuous operating voltage Uc	275 V
according to IEC61643-11 1.5 k Voltage level Up L-N/PEN IEC61643-11 1.35 k Electric current Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications Short-circuit breaking capacity (Isccr) 25 k Network configuration Network type TT/TN- Installation, mounting Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr		1.35 kV
Electric current Calibration of the protection upstream 125. Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions 2000 Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 25 k Network configuration 25 k Network type TT/TN- Installation, mounting 11/2 mr Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr		1.5 kV
Calibration of the protection upstream 125 Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions 58.2 mr Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 71.2 mr Short-circuit breaking capacity (Isccr) 25 k Network configuration TT/TN- Installation, mounting TT/TN- Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr	Voltage level Up L-N/PEN IEC61643-11	1.35 kV
Max discharge (Imax) L-N(PEN)/ N-PE 40 k Dimensions 20 k Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 25 k Network configuration 25 k Network type TT/TN- Installation, mounting 11 Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr	Electric current	
Dimensions Depth of installed product 58.2 mm Height of installed product 89.8 mm Width of installed product 71.2 mm Electrical specifications 71.2 mm Short-circuit breaking capacity (Isccr) 25 k Network configuration 17/TN- Installation, mounting 17/TN- Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mm	Calibration of the protection upstream	125 A
Depth of installed product 58.2 mr Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 25 k Short-circuit breaking capacity (Isccr) 25 k Network configuration TT/TN- Installation, mounting TT/TN- Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr	Max discharge (Imax) L-N(PEN)/ N-PE	40 kA
Height of installed product 89.8 mr Width of installed product 71.2 mr Electrical specifications 25 k Short-circuit breaking capacity (Isccr) 25 k Network configuration TT/TN- Installation, mounting TT/TN- Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mr	Dimensions	
Width of installed product 71.2 mr Electrical specifications 25 k Short-circuit breaking capacity (Isccr) 25 k Network configuration 17/TN- Installation, mounting 17/TN- Tightening torque 11/TOP Connection 1.5 / 35 mm	Depth of installed product	58.2 mm
Electrical specifications Short-circuit breaking capacity (Isccr) 25 k Network configuration 17/TN- Network type TT/TN- Installation, mounting 1 Tightening torque 1 Connection 1.5 / 35 mm	Height of installed product	89.8 mm
Short-circuit breaking capacity (Isccr) 25 k Network configuration TT/TN- Installation, mounting TT/TN- Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mm	Width of installed product	71.2 mm
Network configuration Network type TT/TN- Installation, mounting Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors	Electrical specifications	
Network type TT/TN- Installation, mounting Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors	Short-circuit breaking capacity (Isccr)	25 kA
Installation, mounting Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mm	Network configuration	
Tightening torque Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mm	Network type	TT/TN-S
Connection Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mm	Installation, mounting	
Connection cross-section of input and output with screws, for massive conductors 1.5 / 35 mm	Tightening torque	3
output with screws, for massive conductors 1.5 / 35 mm	Connection	
		1.5 / 35 mm²

Standards

Approvals	KEMA, NF
Test class IEC61643-11 / VDE0675-6-11	T2
Safety	
REACH conform	Yes
RoHS conform	Yes
Halogen free	Yes

Operating temperature

-40...80 °C