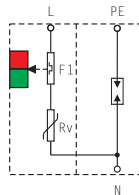


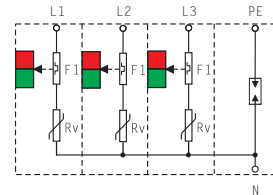
## Features

- Status indication:  
If the indication window turns red, it needs to be replaced.
- Surge protection module can be replaced online.
- It is normally installed at the boundary of LPZ1 and LPZ2.

CZLB-80/440/1P+1



CZLB-80/440/3P+1



## Technical Data

Nominal operating voltage $U_n$	220VAC
Max. continuous operating voltage $U_c$	440VAC
Nominal discharge current $I_n$ ( 8/20 $\mu$ s )	40kA
Max. discharge current $I_{max}$ ( 8/20 $\mu$ s )	60kA
Voltage protection level Up	<1.2kV
Overcurrent protection device	125A
Recommended grounding copper wire diameter	6~35mm <sup>2</sup>
Response time	25ns
Leakage current	<20 $\mu$ A
Housing protection grade ( accord with IEC60529 )	IP 20
Housing material / inflammability grade ( UL94 )	PA66 / V0
Testing standard	GB 18802.1 / IEC 61643-1
Suitable for power supply system	Single-Phase 2-Wire

CZLB-60/255	CZLB-80/440
	220VAC
255VAC	440VAC
40kA	40kA
60kA	80kA
<1.2kV	<2.5kV
	125A
	6~35mm <sup>2</sup>
	25ns
	<20 $\mu$ A
	IP 20
	PA66 / V0
GB 18802.1 / IEC 61643-1	GB 18802.1 / IEC 61643-1
	Single-Phase 2-Wire

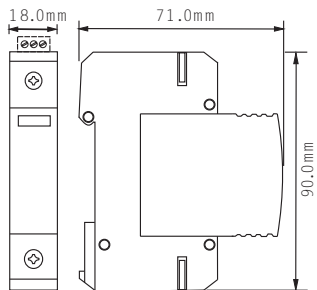
CZLB-60/255	CZLB-80/440
	220VAC
255VAC	440VAC
40kA	40kA
60kA	80kA
<1.2kV	<2.5kV
	125A
	6~35mm <sup>2</sup>
	25ns
	<20 $\mu$ A
	IP 20
	PA66 / V0
GB 18802.1 / IEC 61643-1	GB 18802.1 / IEC 61643-1
	Three-Phase 4-Wire ( TT system )

## Certification

Lighting protection performance test

Shanghai Lightning Protection Center

## Dimensions ( single chip )

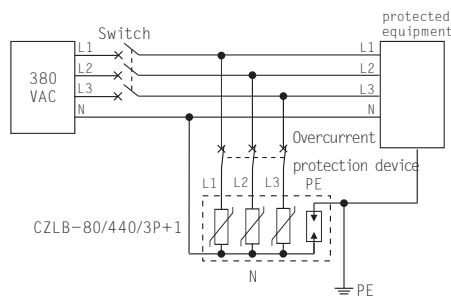
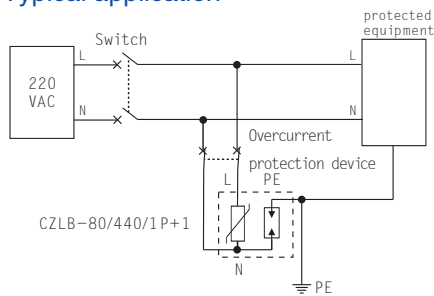


71.0mm × 90.0mm × 36.0mm



71.0mm × 90.0mm × 72.0mm

## Typical application



Three-Phase 4-Wire ( TT system )

Cautions: Users should connect a cascade overcurrent protection device in front of the SPD (eg, air-switch or fuse), in case of SPD getting aged or short-circuited.  
Diameter of copper wire (link to L/N):  $\geq 2.5\text{mm}^2$   
Diameter of copper wire (link to PE):  $\geq 4\text{mm}^2$