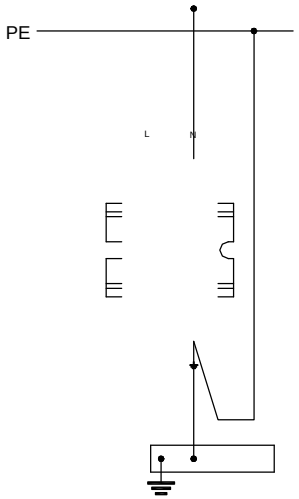
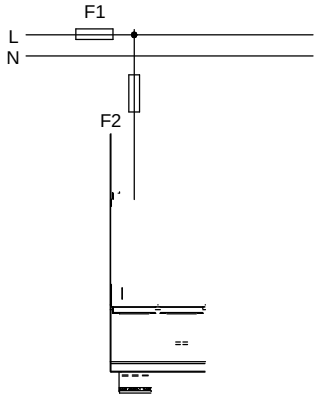
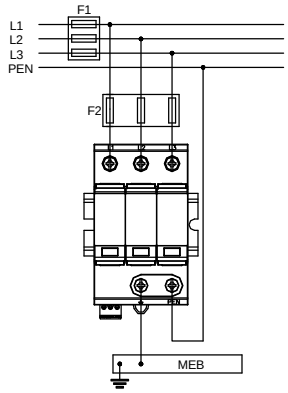


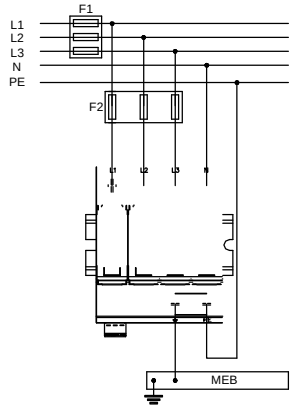
Single phase TN system



Single phase TT system

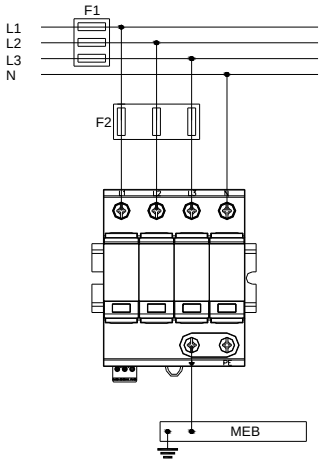


Three-phase TN-C system



Three-phase TN-S system

Parameter \ Type	P-FL-385/40×2P	P-FL-385/40×3P	P-FL-385/40×P+N	P-FL-385/40×3P+N
Nominal Voltage Un (AC)	230 V/400 V			
Max. continuous operating voltage Uc (AC)	385 V		385 V (L – N), 255 V (N – PE)	
Nominal discharge current In (8/20 μs, C2)	20 kA			
Max. discharge current Imax (8/20 μs, C2)	40 kA			
Voltage protection level Up (8/20 μs, C2)	≤ 1.8 kV		≤ 1.8 kV (L – N), ≤ 1.5 kV (N – PE)	
Voltage protection level Up @5kA	≤ 1.3 kV			
Backup fuse	≤ 125 A gl / gG			
Short-circuit withstand capacity I_{SCWPV}	25 kArms			
Response time Ta	≤ 25 ns			
Working state/failure indicator	Green/Red			



Three-phase TT system

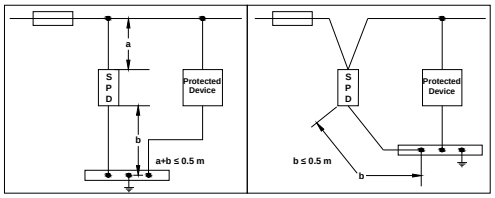
➔ Fault indication

When the indication is green, the product is all right. When the indication is red, the product is damaged, please replace it in time.

Green Red

➔ Wiring instructions

Increasing the length of the connection wire of the SPD will reduce the overvoltage effect of the SPD, so keep the total length as long as possible less than 0.5 m.



➔ Backup Fuse

If F1 > 125 A gl/gG, need backup fuse F2 and F2 = 125 A gl/gG;
If F1 ≤ 125 A gl/gG, not need backup fuse F2.

➔ Installation

- ❍ The apparatus can be mounted on a DIN 35 mm standard rail corresponding to DIN EN 60715, they must be snapped onto the rail, and never slanted or tipped to the side.
- ❍ Installation steps are as follows

Installation

a) When installing the SPD, as shown in arrows 1 and 2, make the bayonet locked into the guide rail, Press the spring pin slightly and make the SPD on the DIN guide rail.
b) When installing the module, make the arrow on the module and the pedestal at the same side, aim at card slot, then pinch the module as shown in arrows 3 and push in. The sound of "Ka" slight means completion.

- ❍ Removing steps are as follows

Removing

a) When removing the SPD, as shown in arrows 1 and 2, screw the spring pin outward with the screwdriver, rotate the SPD and take off the SPD.
b) When removing the module, as shown in arrows 3 and 4, pinch the side edge of the module as shown in the figure and pull out the module.

➔ Connections

- ❍ Maximum torque of the screw is 3 N.m