

Power Supply Systems & Installations

SURGES TYPE C (CLASS II)

- Compact equipments for all distribution systems.
- High discharge capacity via zinc oxide varistors and gas dischargers.
- With thermal separation device.
- Visual indication of a fault in the equipment.
- Remote signalling of the protection status.
- Plug-in protection modules which facilitate maintenance.



POWER SUPPLY NETWORK										
Code	41600	41602	41603	41604	41607	41606	41610	41609	41624	41625
Model	VP C40 275/1	VP C40 250/NPE	VP C40 275/2	VP C40 275/1+NPE	VP C40 275/3	VP C40 275/2+NPE	VP C40 275/4	VP C40 275/3+NPE	VP C20 275/1+NPE	VP C20 275/3+NPE
According to IEC 61643-1 (Class)	Class II									
Type of network	TT/TN	TT	TN	TT/TN	TN	TT/TN	TN	TT/TN		
Electrical line	1P+NPE (1) (2) (3)	1P+N+PE 2P+N+PE 3P+N+PE 3P+PE	1P+N+PE 2P+NPE	1P+N+PE	2P+N+PE 3P+PE 3P+NPE	2P+N+PE	3P+N+PE	3P+N+PE 3P+PE	1P+N+PE	3P+N+PE 3P+PE
Nominal voltage Un (Vac)	230 Vac									
Maximum continuous operating voltage Uc (Vac)	275 Vac	250 Vac	275 Vac							
Nominal discharge current (8/20 μs) In (kA)	20 kA								10	
Maximum discharge current (8/20 μs) I_{max} (kA)	40 kA								20	
Protection level Up (kV)	< 1,2 kV	< 1,5 kV	< 1,2 kV					< 1,0 kV		
Protection level at 5 kA (kV)	< 1,0 kV	--	< 1,0 kV					< 0,95 kV		
Response time ta (ns)	< 25 ns	<100 ns	< 25 ns							
Maximum back-up fuse (A gL/gG)	125	--	125					100		
N° Modules	1	1	2	2	3	3	4	4	2	4
Plug-in modules code	41611	41612	41611	41611/41612	41611	41611/41612	41611	41611/41612	41626/41627	41626/41627

By using individual devices instead of compact ones, they can be installed in:

(1) TN-S System:

- 2 units of VP C40 275/1 → 1P+N+PE
- 3 units of VP C40 275/1 → 2P+N+PE or 3P+PE
- 4 units of VP C40 275/1 → 3P+N+PE

(2) TN-C System:

- 2 units of VP C40 275/1 → 2P+NPE
- 3 units of VP C40 275/1 → 3P+NPE

(3) TT System:

- 1 unit of VP C40 275/1 + 1 unit VP C40 250/NPE → 1P+N+PE
- 2 units of VP C40 275/1 + 1 unit VP C40 250/NPE → 2P+N+PE
- 3 units of VP C40 275/1 + 1 unit VP C40 250/NPE → 3P+N+PE or 3P+PE

TYPE B (Class I)



TYPE B + C (Class I+II)



TYPE C (Class II)

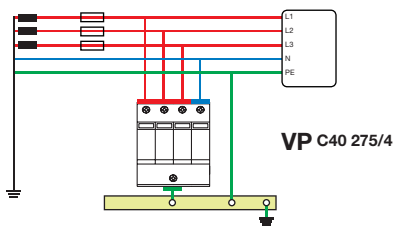


CE

WIRING DIAGRAM

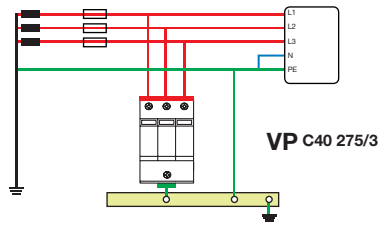
TN-S SYSTEM

3F + N + PE



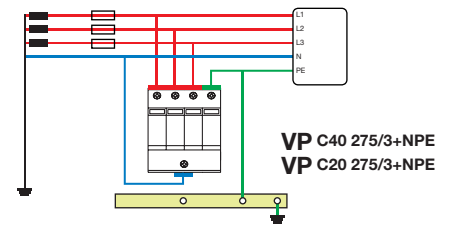
TN-C SYSTEM

3F + NPE



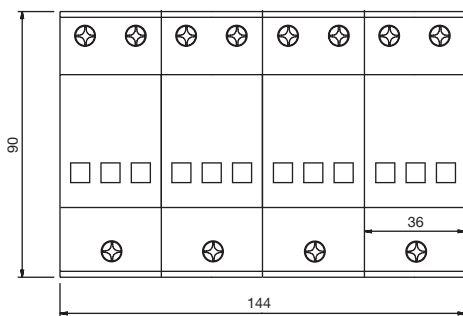
TT SYSTEM

3F + N



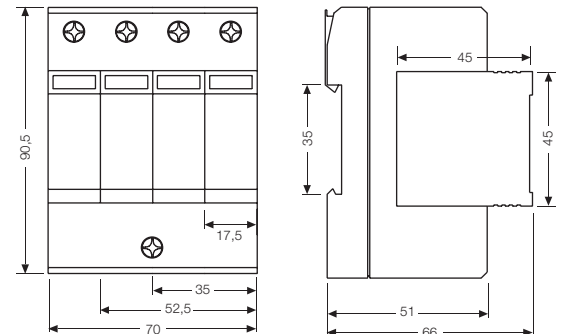
DIMENSIONS (mm)

TYPE B (Class I)



*Width depending on number of modules

TYPE B + C (Class I+II) and TYPE C (Class II)



*Width depending on number of modules