

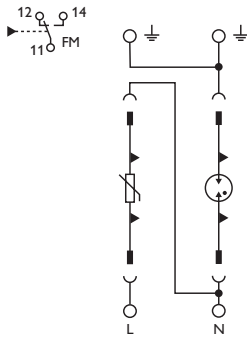
Type 1 Lightning Arresters

- Plug-In Lightning Arresters
- Disconnect facility for each individual module
- Visual end of life indication for each module
- Remote Indication auxiliary contact
- Mechanical keying of all slots

- IEC61643-1 / EN61643-11
- DIN rail mounting
- Temperature Range -40... +80°C
- IP20
- Replacement plug in modules are available

NHSPD4123T1

Total width 35.8mm



NHSPD4123T1

Protective system	TN-S / TT / TN-C / TNC-S L, N, PE	
Lightning protection level	111, 1V	
Highest continuous voltage U_c	(L-N) 335 V a.c. 50/60 Hz	(N-PE) 264 a.c. 50/60 Hz
Nominal voltage U_N	240 V a.c. (230/400 V a.c. ... 240/415 V a.c.) 50/60 Hz	
Lightning test current i_{LP} (10/350) μ s per path	(L-N) 12.5 kA / 6.25 As / 39 kJ/0	(N-PE) 50 kA / 25 As / 625 kJ/0
Nominal discharge surge current i_n (8/20) μ s per path	(L-N) 12.5 kA	(N-PE) 50 kA
Maximum discharge surge current i_{max} (8/20) μ s per path	(L-N) 50 kA	(N-PE) 50 kA
Protection level U_p	(L-N) ≤ 1.2 kV	(N-PE) ≤ 1.7 kV
U_{TCV} (withstand, 5 sec. (L-N)/withstand, 200 msec. (N-PE))	(L-N) 415 V a.c.	(N-PE) 1200 V a.c.
Short circuit resistance I_p with maximum backup fuse	25 kA _{RMS}	
Maximum backup fuse	160 A gL/gG	
\varnothing minimum L, N, PE	1.5mm ² (solid)	1.5mm ² (stranded)
\varnothing maximum L, N, PE	35mm ² (solid)	25mm ² (stranded)

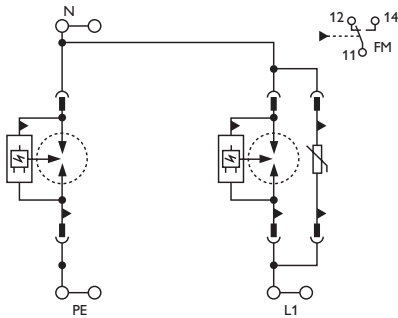
Type 1 + 2 Lightning / Surge Arresters

- Plug-In Lightning and Surge Arresters
- Disconnect device for each individual module
- Visual end of life indication for each module
- Remote Indication auxiliary contact
- Mechanical keying of all slots

- IEC61643-1 / EN61643-11
- DIN rail mounting
- Temperature Range -40... +80°C
- IP20
- Replacement plug in modules are available

NHSPD4421T12

Total width 71.6mm



NHSPD4421T12

Protective system	TN-S / TT / TNC-S L1, N, PE	
Lightning protection level	111 / 1V, 50 kA	
maximum continuous operating voltage U_c	350 V a.c. 50/60 Hz	
Nominal voltage U_N	230/400 V a.c. ... 240/415 V a.c. 50/60 Hz	
Rated load current I_L	125 A ($T_A = 55^\circ\text{C}$)	
Lightning peak current i_{LP} (10/350) μ s	(L-N) 25kA	(N-PE) 100kA
Nominal discharge current i_n (8/20) μ s	(L-N) 25kA	(N-PE) 100kA
Protection level U_p	≤ 1.5 kV	
Short circuit resistance with maximum backup fuse I_p	25 kA _{RMS}	
Follow current limitation	25 kA (264 V a.c.)	
Maximum back-up fuse	Application A: 125 A gL/gG	Application B: 315 A gL/gG
\varnothing minimum L, N, PE	2.5mm ² (solid)	2.5mm ² (stranded)
\varnothing maximum L, N, PE	35mm ² (solid)	25mm ² (stranded)

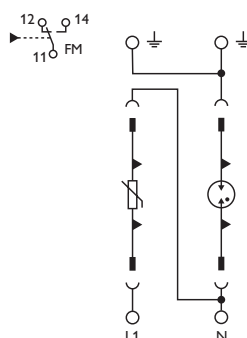
Type 2 Surge Arresters

- Plug-In Surge Arresters
- Disconnect facility for each individual module
- Visual end of life indication for each module
- Remote Indication auxiliary contact
- Mechanical keying of all slots

- IEC61643-1 / EN61643-11
- DIN rail mounting
- Temperature Range -40... +80°C
- IP20
- Replacement plug in modules are available

NHSPD4621T2

Total width 35.8mm



NHSPD4621T2

Protective system	TN-S / TT / TN-C / IT	
Rated surge arrester voltage U_c	L-N / L-PEN 350 V a.c.	N-PE 260 V a.c.
Nominal voltage U_N	230 ... 240 V a.c. 50/60 Hz	
Nominal discharge current i_n (8/20) μ s	20 kA	
Maximum discharge current i_{max} (8/20) μ s	40 kA	
Protection level U_p	≤ 1.4 kV	≤ 1.5 kV
Maximum backup fuse	125 A gL	-
Short circuit resistance I_p with max. backup fuse	25 kA _{RMS}	-
\varnothing minimum L, N, PE	2.5mm ² (solid)	2.5mm ² (stranded)
\varnothing maximum L, N, PE	35mm ² (solid)	25mm ² (stranded)