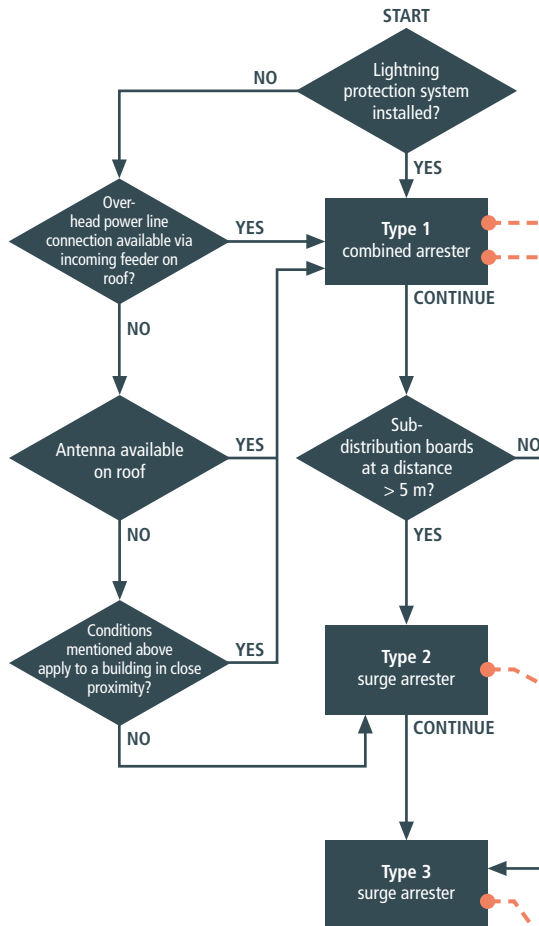


Selection matrix

Lightning current and surge arresters for residential and office buildings



| Power supply system | | |
|--|--|---|
| TN-C system | TN-S system | TT system |
| <p>DEHNventil® modular DV M TNC 255 Part No. 951 300 *</p> | <p>DEHNventil® modular DV M TNS 255 Two-pole: Part No. 951 200 * Four-pole: Part No. 951 400 *</p> | <p>DEHNventil® modular DV M TT 255 Two-pole: Part No. 951 110 * Four-pole: Part No. 951 310 *</p> |
| <p>DEHNshield DSH TNC 255 Part No. 941 300</p> | <p>DEHNshield DSH TNS 255 Two-pole: Part No. 941 200 Four-pole: Part No. 941 400</p> | <p>DEHNshield DSH TT 255 Two-pole: Part No. 941 110 Four-pole: Part No. 941 310</p> |
| <p>DEHNgard® modular DG M TNC 275 Part No. 952 300 *</p> | <p>DEHNgard® modular DG M TNS 275 Two-pole: Part No. 952 200 * Four-pole: Part No. 952 400 *</p> | <p>DEHNgard® modular DG M TT 275 Two-pole: Part No. 952 110 * Four-pole: Part No. 952 310 *</p> |

| Information technology systems | |
|--|--|
| Telecommunication, broadband cables and antennas | |
| capable of carrying lightning currents | <p>BLITZDUCTOR® XT Life Check® BXT BAS base part, Part No. 920 300 + BXT ML2 BD 180 module, Part No. 920 247 or BXTU ML2 BD S 0-180 module, Part No. 920 249 DSL / ISDN U_{k0} and analogue TYPE 1 P1</p> |
| | <p>DEHNbox TC 180 Part No. 922 210 DSL / ISDN U_{k0} and analogue TYPE 1 P2</p> |
| | <p>DEHNgate DGA GFF TV Part No. 909 705 Broadband cable and satellite reception TYPE 1 C + TYPE 3 P1</p> |
| | <p>DEHNlink ISDN/I Part No. 929 024, ISDN S_0 DEHNlink TC 2 I Part No. 929 028, Analogue TYPE 2 P1</p> |
| | <p>DEHNgate DGA FF TV Art.-Nr. 909 703 Satellite reception TYPE 3 P1</p> |

Yellow/Line classes: capable of carrying lightning current ≥ 5 kA (10/350 μ s)
 TYPE 1 C TYPE 1 P1 (P1) capable of protecting terminal equipment; surge protection (8/20 μ s):
 TYPE 2 ≥ 5 kA TYPE 3 ≥ 0.5 kA TYPE 2 P1 (P1) capable of protecting terminal equipment

* = also available with remote signalling contact; ^ = with centre earthing contact

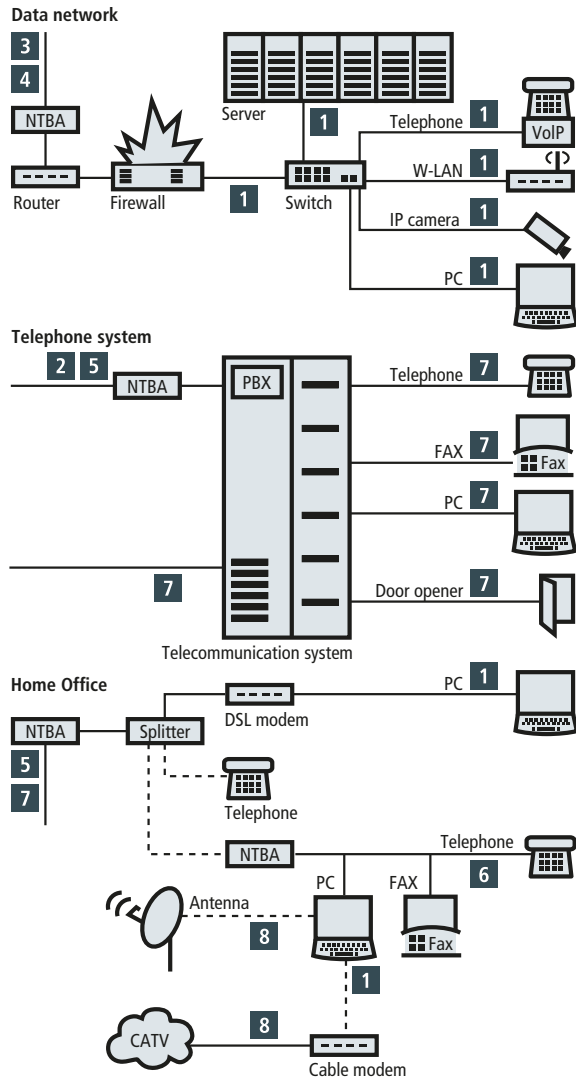
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| | | | | | | |
|--|---|---|--|--|---|--|
| <p>DEHNrail modular Two-pole: Part No. 953 200 * Four-pole: Part No. 953 400 *</p> | <p>DEHNflex M Part No. 924 396 e.g. for flush-type boxes and earthed socket outlets</p> | <p>SFL PRO 6X Part No. 909 250 Part No. 909 255 ^</p> | <p>DEHNprotector Part No. 909 230 Part No. 909 235 ^ Part No. 909 240 Part No. 909 255 ^</p> | <p>DEHNprotector Part No. 909 310 Part No. 909 315 ^ Analogue/DSL, protected mains</p> | <p>DEHNprotector Part No. 909 320 Part No. 909 325 ^ ISDN S_0, protected mains</p> | <p>DEHNprotector Part No. 909 300 Part No. 909 305 ^ TV/radio, protected mains</p> |
|--|---|---|--|--|---|--|

Selection matrix

for telecommunication
and network systems



Yellow/Line classes: capable of carrying lightning current ≥ 5 kA (10/350 μ s)
TYPE 1 **TYPE 1C** **TYPE 1P** **TYPE 1P1** (P) capable of protecting terminal equipment; surge protection (8/20 μ s):
TYPE 2 ≥ 5 kA **TYPE 3** ≥ 0.5 kA **TYPE 2P1** (P) capable of protecting terminal equipment

| No. | Interface | | | | | | |
|-----|---|---|--|--|--|---|---|
| 1 | Ethernet Voice over IP Power over Ethernet | No. 929 121 (l = 0 m) No. 929 100 (l = 0.5/2.5 m) TYPE 2P1 $U_C = 48$ V d.c., $I_L = 1$ A | | | | | No. 909 321, No. 909 326 [▲] RJ 45 TYPE 2P1 $U_C = 58$ V d.c. $U_C^{(2)} = 255$ V a.c. |
| 2 | ISDN S _{2m} ISDN U _{2m} E1 G.703 | No. 929 100 (l = 0.5/2.5 m) No. 929 121 (l = 0 m) TYPE 2P1 $U_C = 48$ V d.c., $I_L = 1$ A | No. 907 401 + 907 498 + 1-10 x 907 470 TYPE 1C TYPE 3P1 $U_C = 28$ V d.c. $I_L = 0.4$ A | 2 wires: No. 926 275 ¹⁾ 4 wires: No. 926 375 ¹⁾ TYPE 2P1 $U_C = 33$ V d.c. $I_L (45^\circ\text{C}) = 1$ A | 4 wires: No. 920 375 ¹⁾ TYPE 1P1 $U_C = 33$ V d.c. $I_L (45^\circ\text{C}) = 1$ A | | |
| 3 | VDSL | | No. 907 401 TYPE 1C $U_C = 180$ V d.c. $I_L = 0.4$ A | | 2 wires: No. 920 211 ¹⁾ 4 wires: No. 920 310 ¹⁾ TYPE 1C $U_C = 180$ V d.c. $I_L (45^\circ\text{C}) = 1.2$ A | | No. 909 310, No. 909 315 [▲] RJ 12/TAE TYPE 2P1 $U_C = 180$ V d.c. $U_C^{(2)} = 255$ V a.c. |
| 4 | SDSL HDSL SHDSL | No. 929 100 (l = 0.5/2.5 m) No. 929 121 (l = 0 m) TYPE 2P1 $U_C = 48$ V d.c., $I_L = 1$ A | No. 907 401 + 907 498 + 1-10 x 907 470 TYPE 1C TYPE 3P1 $U_C = 28$ V d.c. $I_L = 0.4$ A | 2 wires: No. 926 275 ¹⁾ 4 wires: No. 926 375 ¹⁾ TYPE 2P1 $U_C = 33$ V d.c. $I_L (45^\circ\text{C}) = 1$ A | 4 wires: No. 920 375 ¹⁾ TYPE 1P1 $U_C = 33$ V d.c. $I_L (45^\circ\text{C}) = 1$ A | | |
| 5 | ADSL 2+ | | No. 907 401 + 907 498 + 1-10 x 907 430 TYPE 1C TYPE 3P1 $U_C = 180$ V d.c. $I_L = 0.1$ A | 2 wires: No. 926 247 ¹⁾ 4 wires: No. 926 347 ¹⁾ TYPE 2P1 $U_C = 180$ V d.c. $I_L (45^\circ\text{C}) = 0.75$ A | 2 wires: No. 920 247 ¹⁾ 4 wires: No. 920 347 ¹⁾ TYPE 1P2 $U_C = 180$ V d.c. $I_L (45^\circ\text{C}) = 0.75$ A | 2 wires: No. 920 249 ¹⁾ 4 wires: No. 920 349 ¹⁾ TYPE 1P1 $U_C = 180$ V d.c. $I_L (80^\circ\text{C}) = 0.1$ A | No. 909 310, No. 909 315 [▲] RJ 12/TAE TYPE 2P1 $U_C = 180$ V d.c. $U_C^{(2)} = 255$ V a.c. |
| 6 | ISDN S bus S ₀ bus | No. 929 100 (l = 0.5/2.5 m) No. 929 121 (l = 0 m) TYPE 2P1 $U_C = 48$ V d.c., $I_L = 1$ A | No. 907 401 + 907 498 + 1-10 x 907 470 TYPE 1C TYPE 3P1 $U_C = 28$ V d.c. $I_L = 0.4$ A | 2 wires: No. 926 275 ¹⁾ 4 wires: No. 926 375 ¹⁾ TYPE 2P1 $U_C = 33$ V d.c. $I_L (45^\circ\text{C}) = 1$ A | 4 wires: No. 920 375 ¹⁾ TYPE 1P1 $U_C = 33$ V d.c. $I_L (45^\circ\text{C}) = 1$ A | | No. 909 320, No. 909 325 [▲] RJ 45 TYPE 2P1 $U_C = 48$ V d.c. $U_C^{(2)} = 255$ Vac |
| 7 | Pots, PBX bus ADSL 1 ISDN U _{K0} , U _{P0} a/b lines telecom. sys. | | No. 907 401 + 907 498 + 1-10 x 907 430 TYPE 1C TYPE 3P1 $U_C = 180$ V d.c. $I_L = 0.1$ A | 2 wires: No. 926 247 ¹⁾ 4 wires: No. 926 347 ¹⁾ TYPE 2P1 $U_C = 180$ V d.c. $I_L (45^\circ\text{C}) = 0.75$ A | 2 wires: No. 920 247 ¹⁾ 4 wires: No. 920 347 ¹⁾ TYPE 1P2 $U_C = 180$ V d.c. $I_L (45^\circ\text{C}) = 0.75$ A | | No. 909 310, No. 909 315 [▲] RJ 12/TAE TYPE 2P1 $U_C = 180$ V d.c. $U_C^{(2)} = 255$ V a.c. |
| 8 | Sky DSL SAT CATV | | | | | | No. 909 300, No. 909 305 [▲] F Connector TYPE 2 $U_C = 60$ V d.c. $U_C^{(2)} = 255$ V a.c. |

¹⁾ + universal base part BXT BAS, Part No. 920 300; ²⁾ mains voltage; [▲] = with centre earthing contact