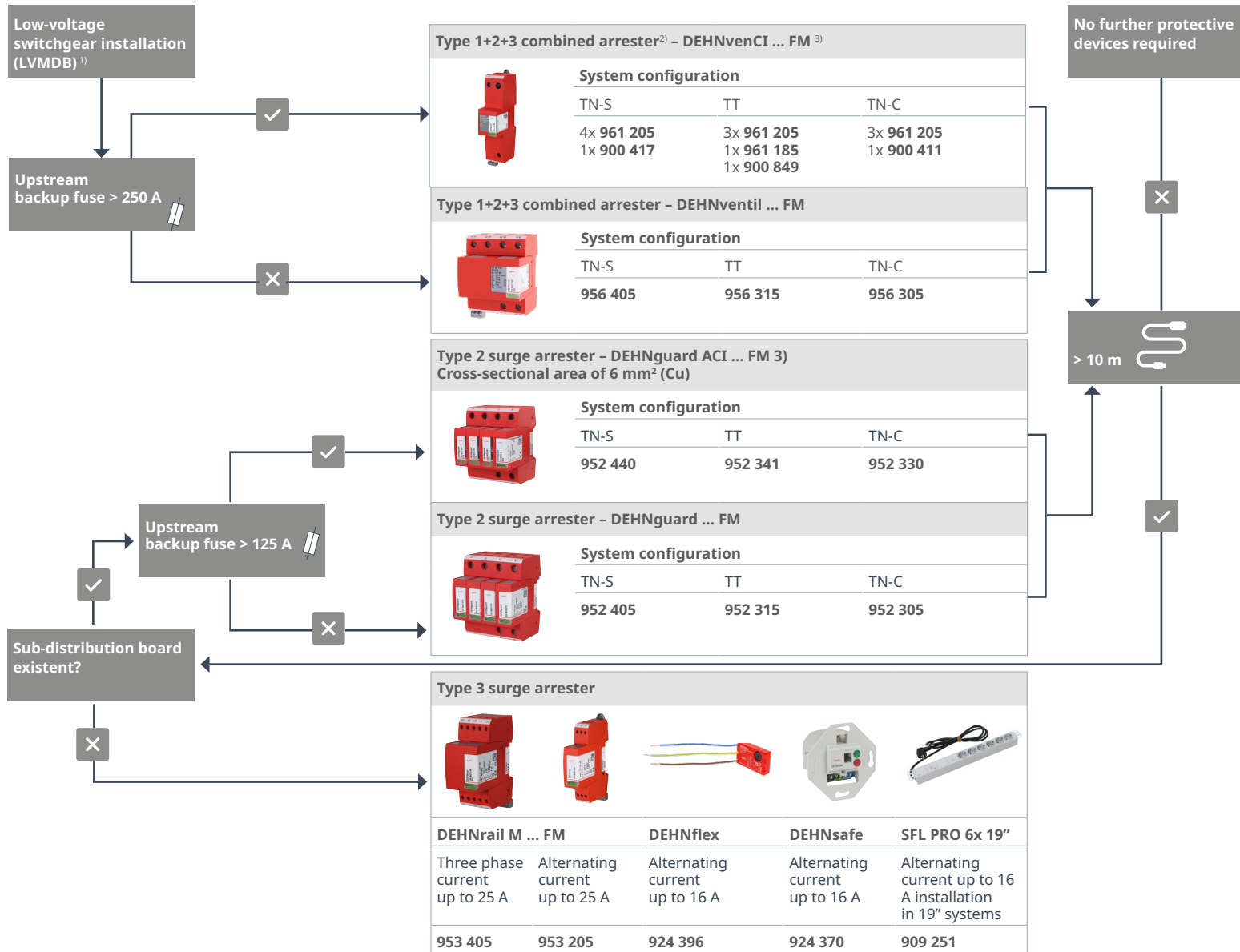


Selection matrix – Industrial buildings lightning current and surge protective devices for power supply systems **Red / Line**

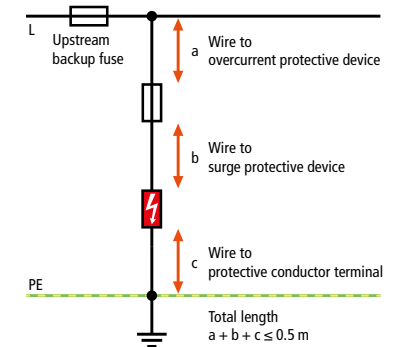


Installation notes

Comply with maximum cable length

According to DIN VDE 0100-534, it is important to ensure that the total length of all lines between the connection points of the SPD combination does not exceed a value of 0.5 m. This specification applies to the cable length including the back-up fuse.

Tip: Cable length "a" need not be taken into account when using **DEHNvenCI** and **DEHNgard ACI**, both products without additional backup fuse.



Detailed selection is quick and easy with our online configurators:

More information at:
<https://de.hn/5ieoz>



Yes

No

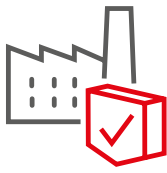


Cable length to the equipment
> 10 m

¹⁾ Same product selection regardless of the lightning protection system

²⁾ Protective effect

³⁾ without additional backup fuse (earth-fault and short-circuit-proof installation necessary)



Selection matrix – Industrial buildings lightning current and surge protective devices for telecommunications **Yellow / Line**



Building automation / measuring and control systems	KNX		Two-wire bus systems Profibus, Modbus RTU, RS 485, CAN Bus		Ethernet interfaces BACnet, Profinet, Modbus TCP	
	 BUStector BT24 925 001 $U_c = 45 \text{ V DC}$, $I_L = 6 \text{ A}$ TYPE 2 	 BLITZDUCTORconnect BCO ML2 B 180 927 210 $U_c = 180 \text{ V DC}$, $I_L = 1.2 \text{ A}$ TYPE 1 	 BLITZDUCTORconnect BCO ML2 BD HF 5 927 271 $U_c = 8.5 \text{ V DC}$, $I_L = 0.75 \text{ A}$ TYPE 1P2 	 DEHNpatch DPA CL8 EA 4PPOE 929 161 $U_c = 3.3 \text{ V DC}$, $U_{C,PoE} = 58 \text{ V DC}$ $I_L = 1.5 \text{ A}$, $f_g = 500 \text{ MHz}$ TYPE 1P2 		
	 BLITZDUCTOR XT BXT ML2 B 180 1) 920 211 $U_c = 180 \text{ V DC}$, $I_L = 1.2 \text{ A}$ TYPE 1+ 	 BLITZDUCTORconnect BCO CL2 B 180 927 910 $U_c = 180 \text{ V DC}$, $I_L = 1.2 \text{ A}$ TYPE 1 	 BLITZDUCTOR XT BXT ML4 BD HF 5 920 371 $U_c = 6.0 \text{ V DC}$, $I_L = 1.0 \text{ A}$ TYPE 1P1 			
	Analogue signal with/without auxiliary power (up to max. 33 V DC / 23.3 V AC)		Damper and valve actuators (up to max. 36 V DC / 25.4 V AC)		Temperature measurement (PT 100, PT 1000, Ni 1000, NTC, PTC)	
HVAC	 BLITZDUCTORconnect BCO ML2 BE 24 927 224 $U_c = 33 \text{ V DC} / 23.3 \text{ V AC}$ $I_L = 0.75 \text{ A}$ TYPE 1P1 	 BLITZDUCTORconnect BCO ML2 BD HC5A 24 927 254 $U_c = 36 \text{ V DC} / 25.4 \text{ V AC}$ $I_L = 5 \text{ A}$ TYPE 1P2 	 BLITZDUCTORconnect BCO CL4 BC 24 927 954 $U_c = 36 \text{ V DC} / 25, 4 \text{ V AC}$ $I_L = 3 \text{ A}$ TYPE 1P2 	 BLITZDUCTORconnect BCO ML2 BD HC5A 24 927 254 $U_c = 36 \text{ V DC} / 25, 4 \text{ V AC}$ $I_L = 5 \text{ A}$ TYPE 1P2 		
	Video security systems / IP camera / PoE		Burglar alarm systems (E.g. 12 V DC operating voltage)		Fire alarm systems (e.g. ring, loop and stub line)	
Safety and security technology	 DEHNpatch DPA CL8 EA 4PPOE 929 161 $U_c = 3.3 \text{ V DC}$, $U_{C,PoE} = 58 \text{ V DC}$ $I_L = 1.5 \text{ A}$, $f_g = 500 \text{ MHz}$ TYPE 1P2 	 BLITZDUCTORconnect BCO ML2 BD 12 2) 927 242 $U_c = 15 \text{ V DC} / 10.6 \text{ V AC}$ $I_L = 0.75 \text{ A}$ TYPE 1P2 	 BLITZDUCTOR XT BXT ML2 BD S 48 1), 2) 920 245 $U_c = 54 \text{ V DC} / 38.1 \text{ V AC}$, $I_L = 1.0 \text{ A}$ TYPE 1P1 	 BLITZDUCTOR XT BXT ML4 BD 24 1) 920 344 $U_c = 33 \text{ V DC} / 23.3 \text{ V AC}$, $I_L = 1.0 \text{ A}$ TYPE 1P1 		
	 DEHNpatch DPA CLE IP66 929 221 $U_c = 8.5 \text{ V DC}$, $U_{C,PoE} = 60 \text{ V DC}$ $I_L = 1 \text{ A}$, $f_g = 250 \text{ MHz}$ TYPE 2P1 	 BLITZDUCTOR XT BXT ML2 BD S 12 1), 2) 920 242 $U_c = 15 \text{ V DC} / 10.6 \text{ V AC}$ $I_L = 1.0 \text{ A}$ TYPE 1P1 	 BLITZDUCTOR XT BXT ML2 BE S 36 1) 920 226 $U_c = 45 \text{ V DC} / 31 \text{ V AC}$, $I_L = 1.8 \text{ A}$ TYPE 1P1 	Voice alarm systems (VAS)  DEHNvario DVR 2 BY S 150 FM 928 430 $U_c = 150 \text{ V DC} / 110 \text{ V AC}$, $I_L = 10 \text{ A}$ TYPE 1P2 		
Telecommunication / Network	VDSL, VVDSL, G.Fast		Network technology / PoE		Pluggable  Visual status indication	
	 DEHNbox DBX TC B 180 922 220 $U_c = 180 \text{ V DC}$, $I_L = 1 \text{ A}$ TYPE 1P2 	 BLITZDUCTORconnect BCO ML2 B 180 927 210 $U_c = 180 \text{ V DC}$, $I_L = 1.2 \text{ A}$ TYPE 1 	 DEHNpatch DPA CL8 EA 4PPOE 929 161 $U_c = 3.3 \text{ V DC}$, $U_{C,PoE} = 58 \text{ V DC}$ $I_L = 1.5 \text{ A}$, $f_g = 500 \text{ MHz}$ TYPE 1P2 	 DEHNpatch DPA CLE IP66 929 221 $U_c = 8.5 \text{ V DC}$, $U_{C,PoE} = 60 \text{ V DC}$ $I_L = 1 \text{ A}$, $f_g = 250 \text{ MHz}$ TYPE 2P1 	DIN rail mounting Push-in connection Screw connection RJ45 RFID LifeCheck	
	 DEHNrapid LSA 10 B 180 FSD 907 401 $U_c = 180 \text{ V DC}$, $I_L = 0.4 \text{ A}$ TYPE 1C 	 BLITZDUCTORconnect BCO CL2 B 180 927 910 $U_c = 180 \text{ V DC}$, $I_L = 1.2 \text{ A}$ TYPE 1 			 1) 1) In combination with base part BXT BAS, 920 300 2) Manufacturer-specific deviations possible	
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