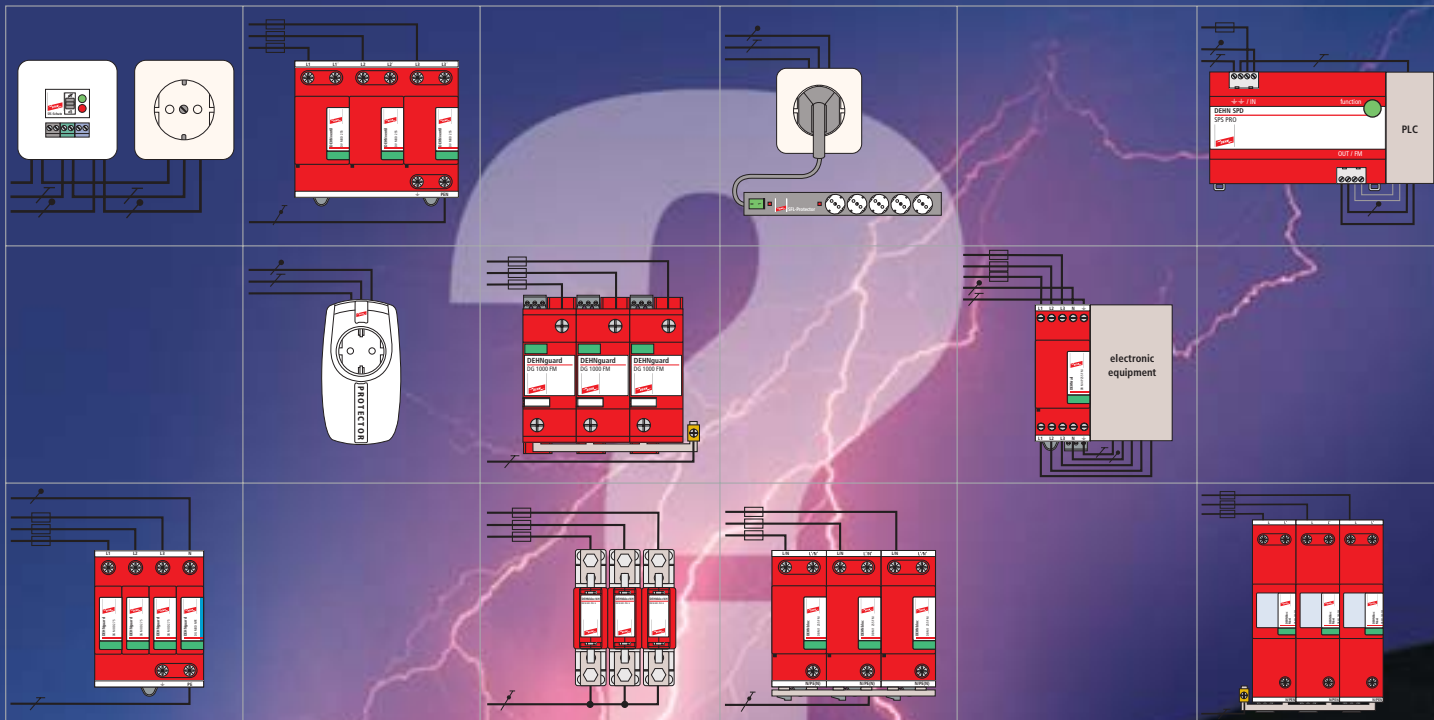




DEHN + SÖHNE

Surge Protection – Easy Choice.



Red/Line

Coordinated Surge Protection for
Power Supply Systems

DS649/E/04.08

DEHN – Worldwide.

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Australia
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Belgium
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Cuba
Czech Republic
Denmark
El Salvador
Estonia
F.Y.R.O.M
Finland
France
Great Britain
Greece
Guatemala
Honduras
Hungary
Iceland
India
Iran
Ireland
Israel
Italy
Japan
Latvia
Lebanon
Lithuania
Luxembourg
Malaysia
Mauritius
Mexico**

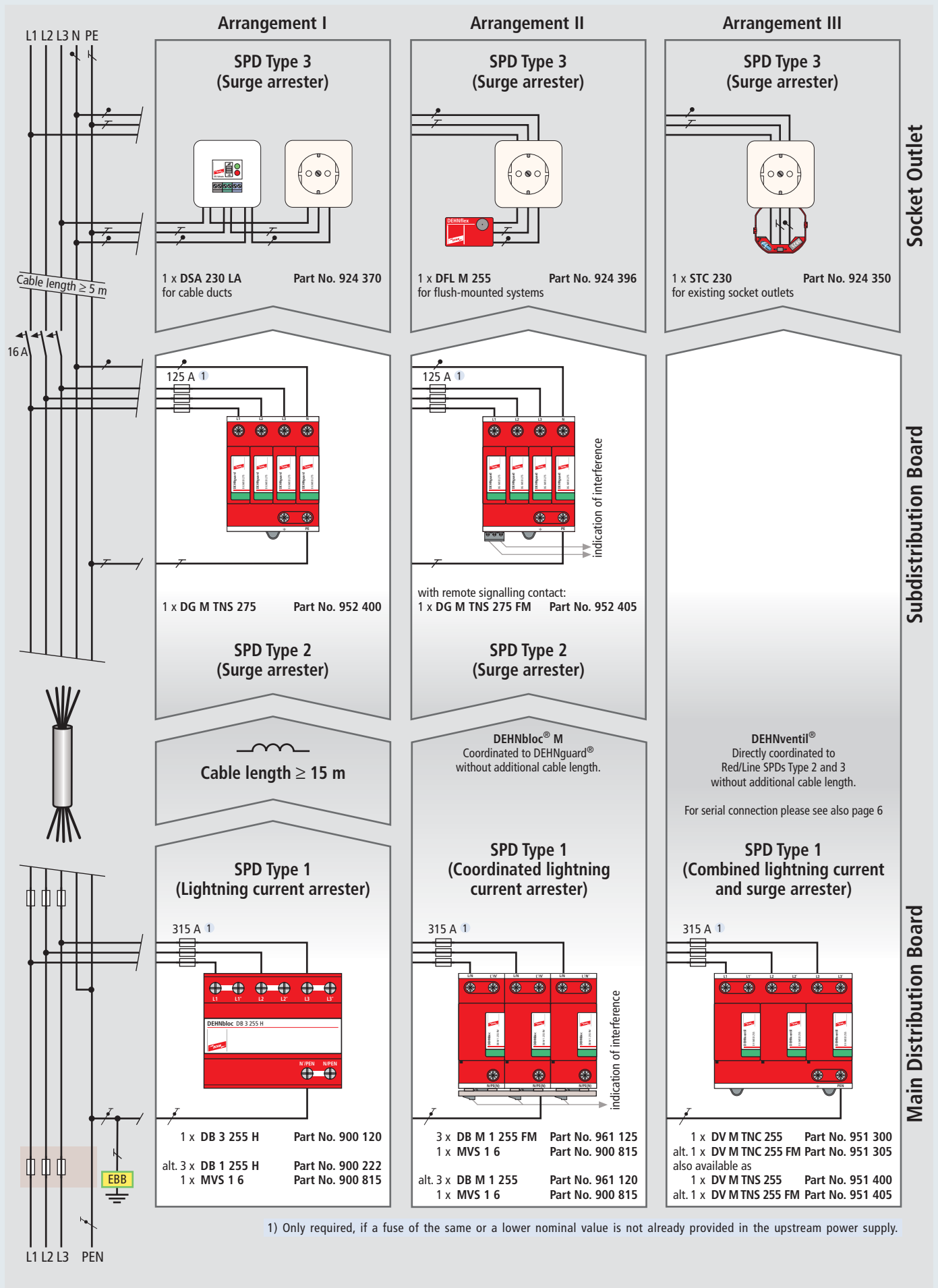
**Netherlands
New Zealand
Nicaragua
Nigeria
Norway
Oman
Pakistan
Panama
Peru
Poland
Portugal
Romania
Russia
Saudi Arabia
Serbia
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Sweden
Switzerland
Syria
Taiwan
Thailand
Turkey
Uganda
United Arab Emirates
USA
Venezuela**

We shall be pleased to name you the right contact person of our subsidiaries or representatives.

Please contact our Export Department under

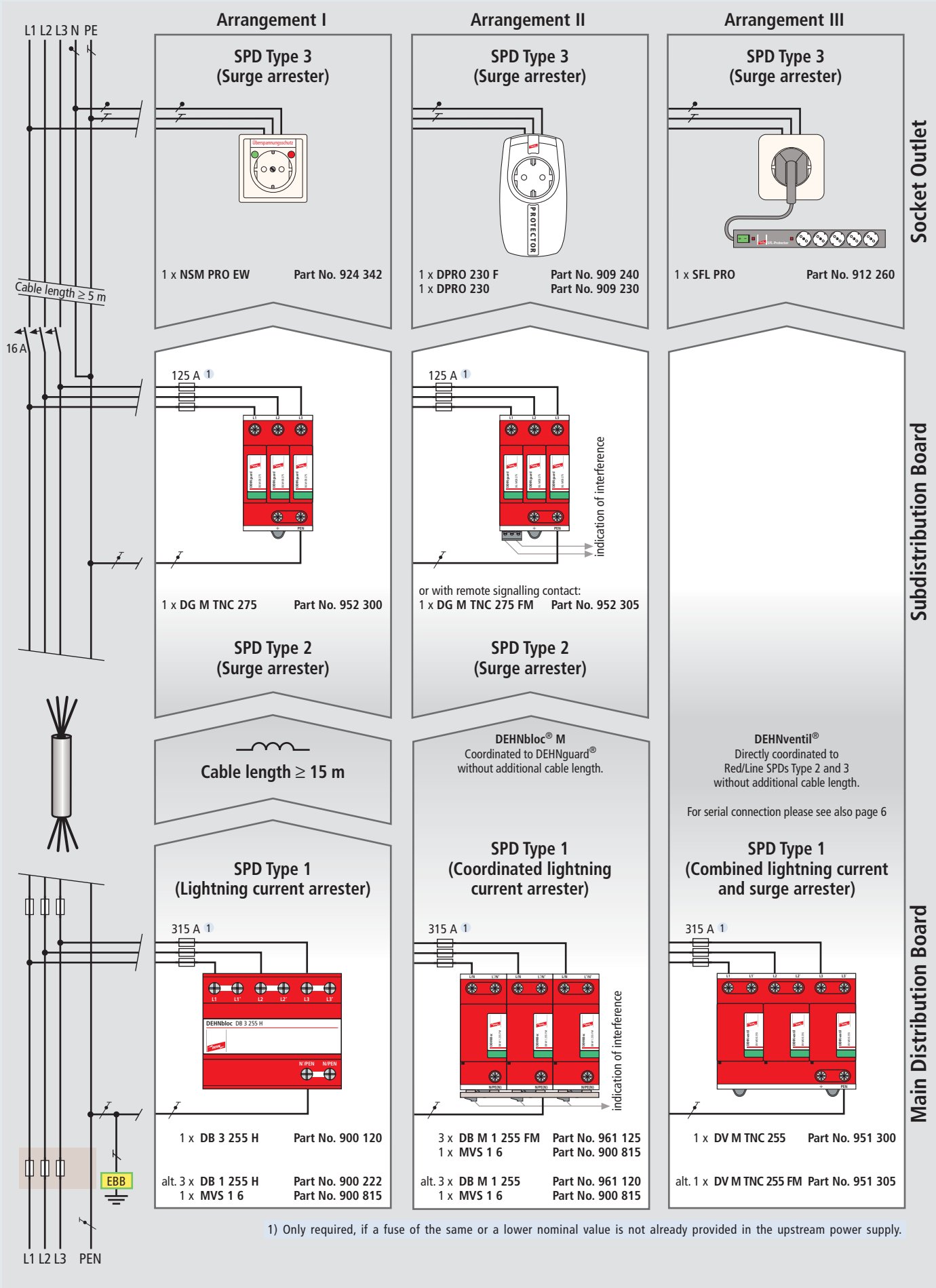
Tel. +49 9181 906 462
Fax +49 9181 906 444

or send an e-mail to export@dehn.de

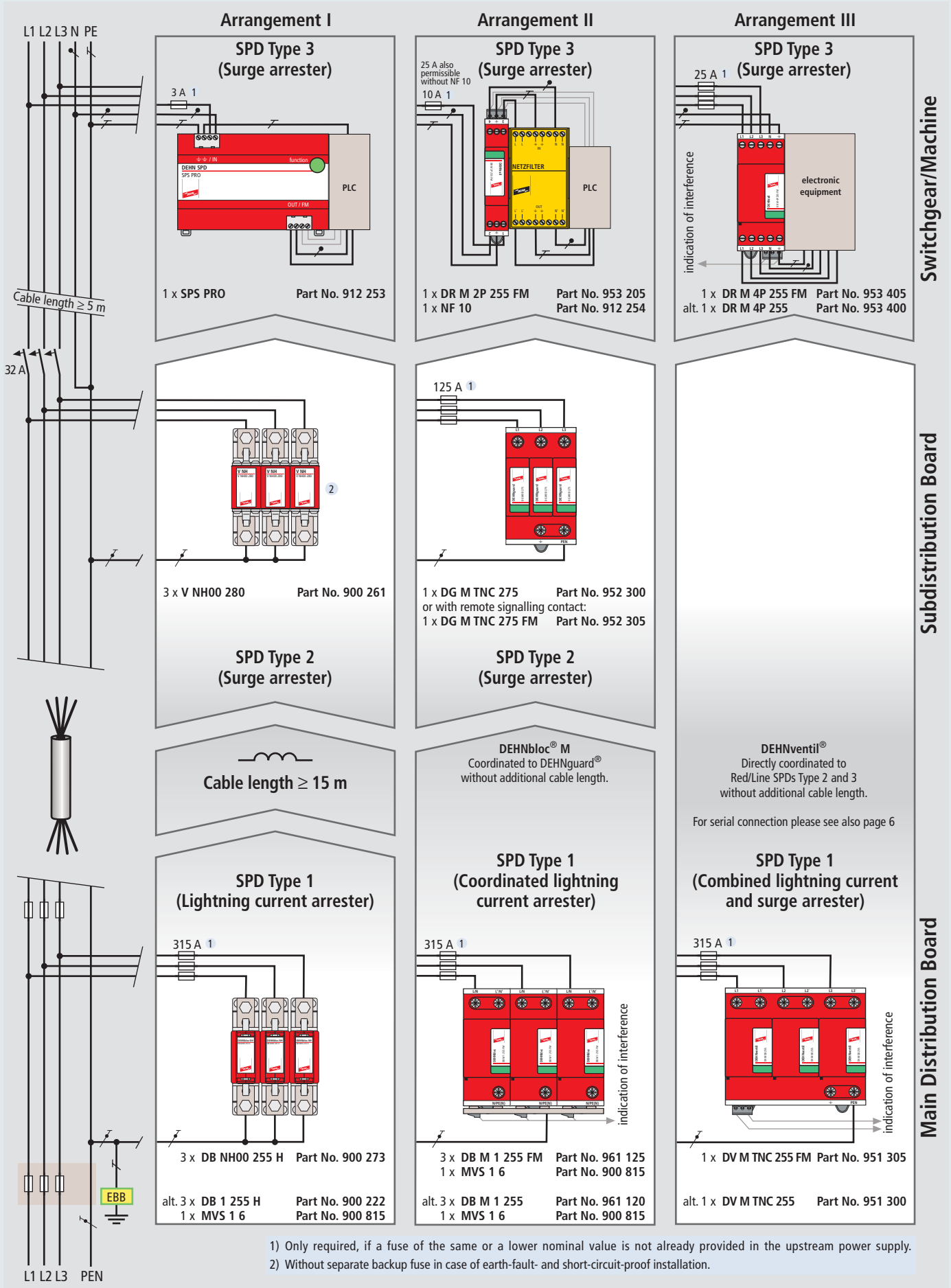


1) Only required, if a fuse of the same or a lower nominal value is not already provided in the upstream power supply.

TN systems: Example: Office Building – Separation of the PEN in the main distribution board



TN systems: Example: Office Building – Separation of the PEN in the subdistribution board

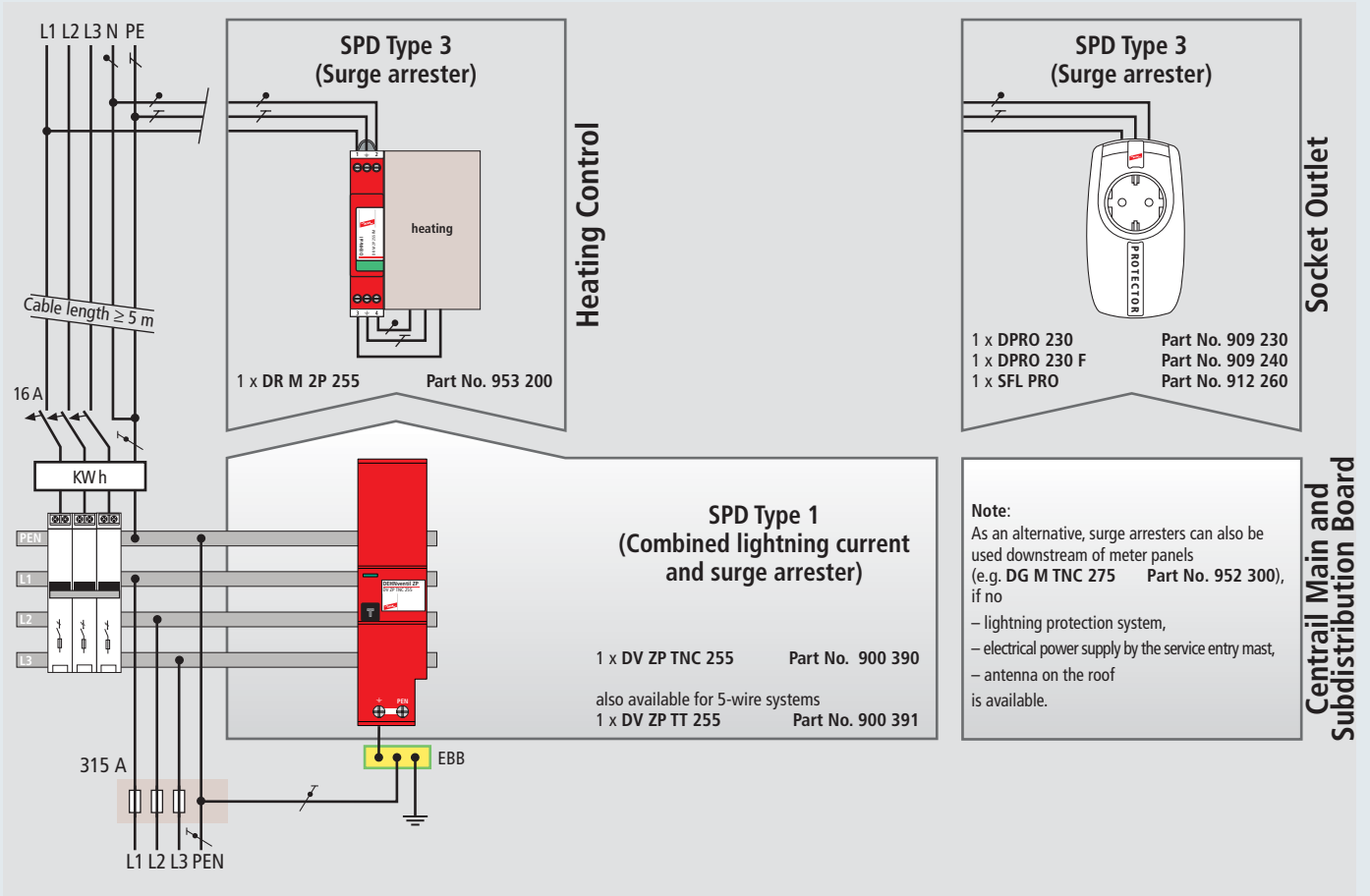


Switchgear/Machine

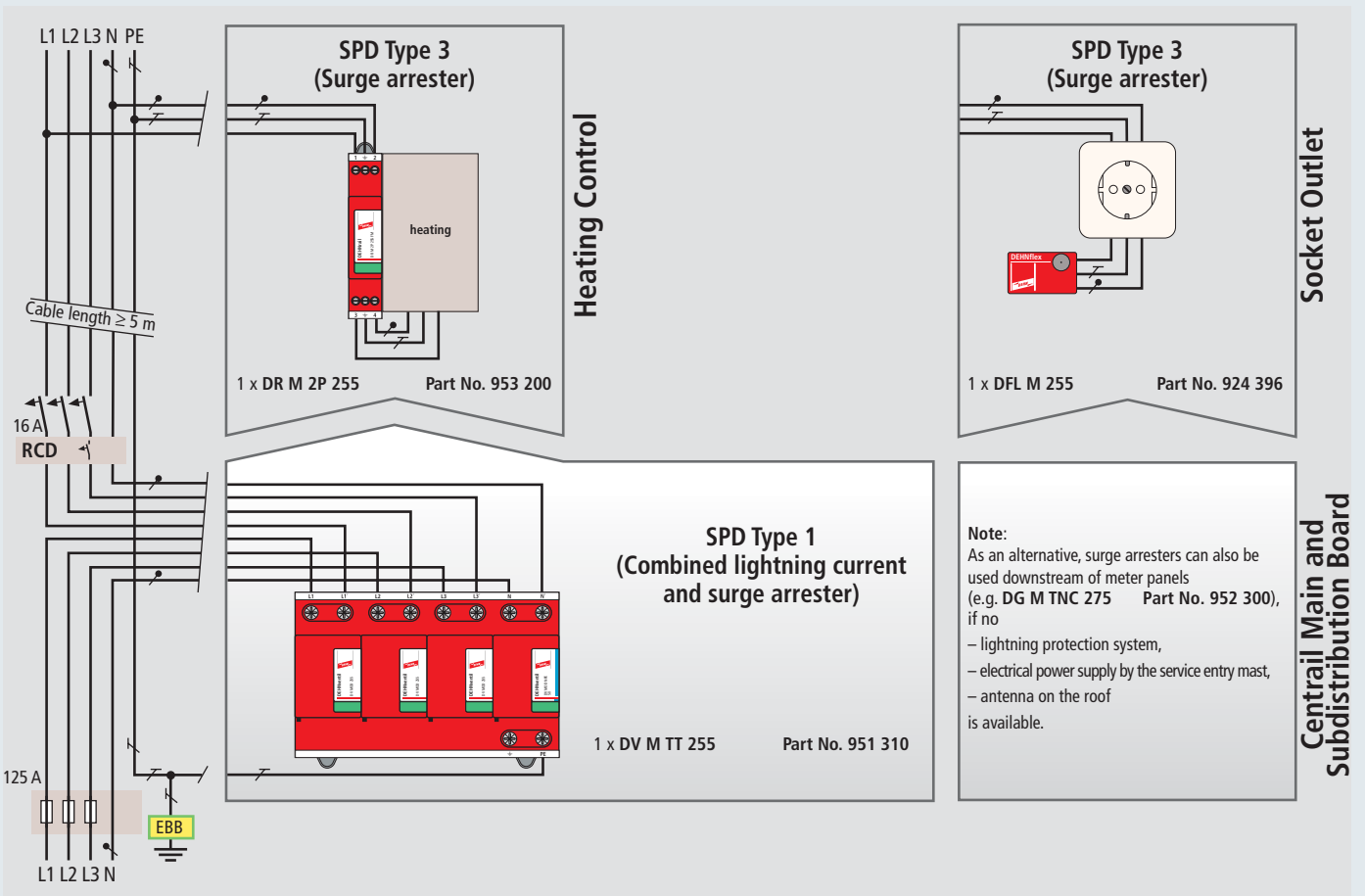
Subdistribution Board

Main Distribution Board

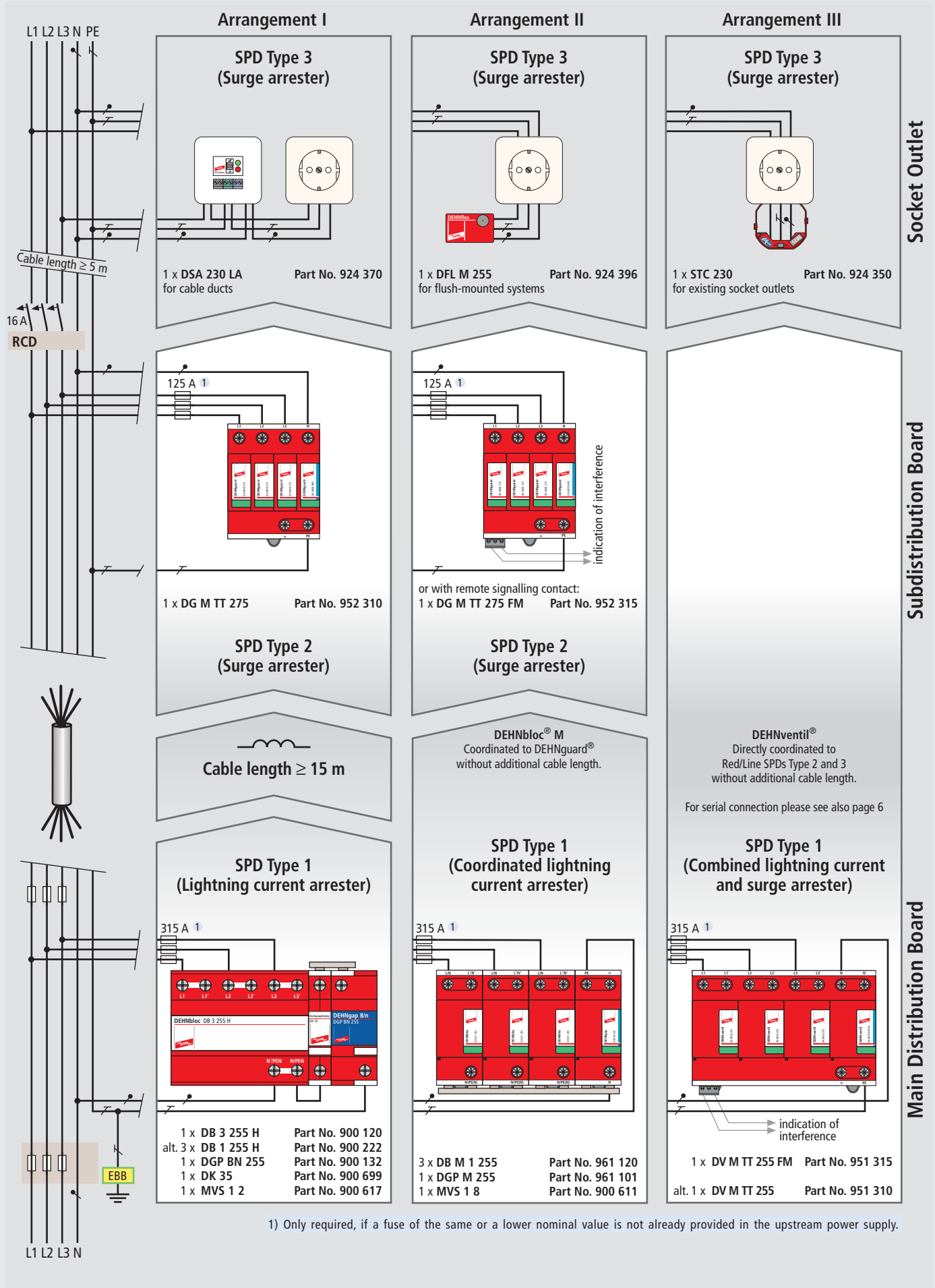
TN systems: Example: Industry – Separation of the PEN in the subdistribution board



TN systems: Example: Single-family house



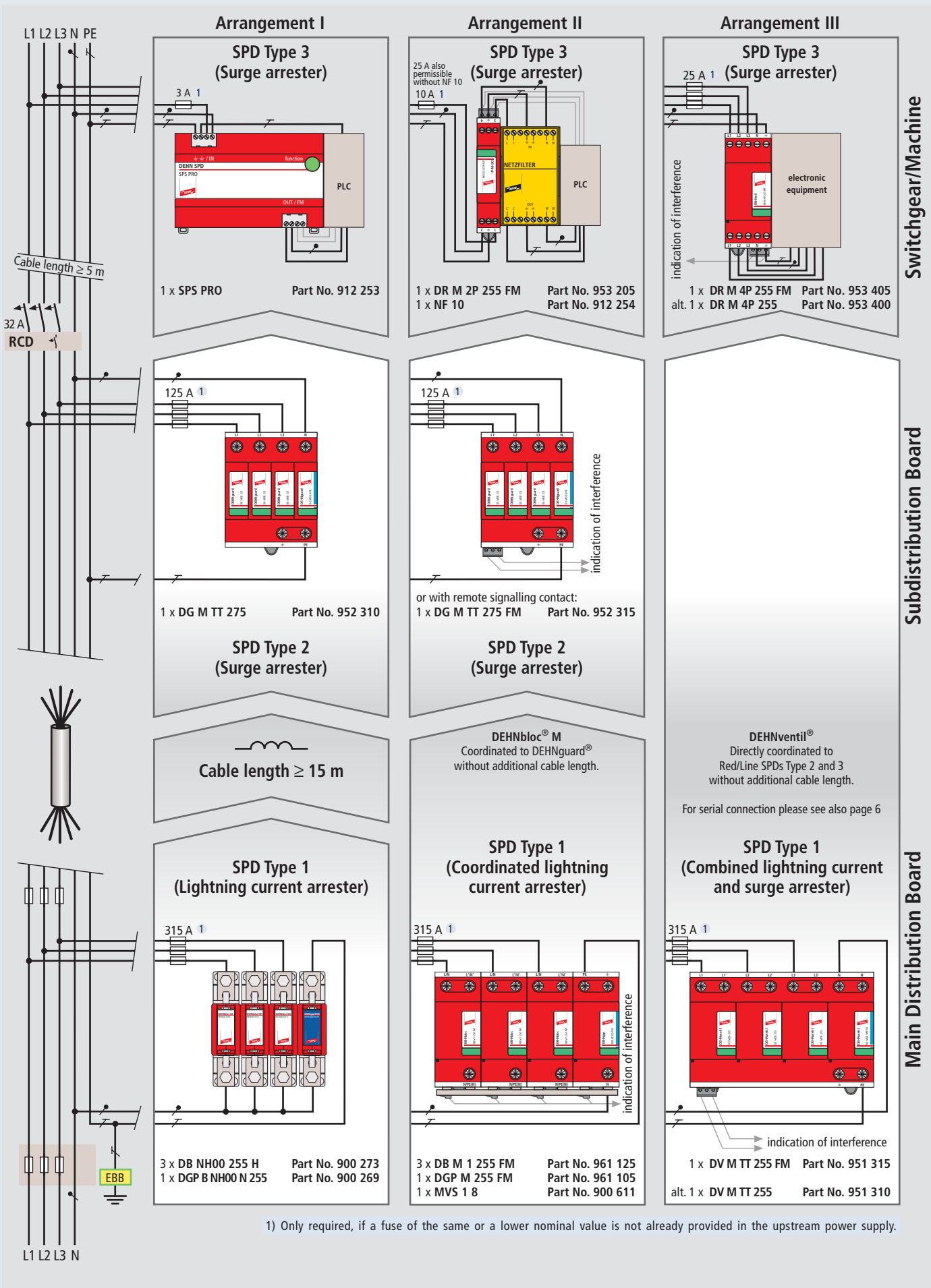
TT systems: Example: Single-family house



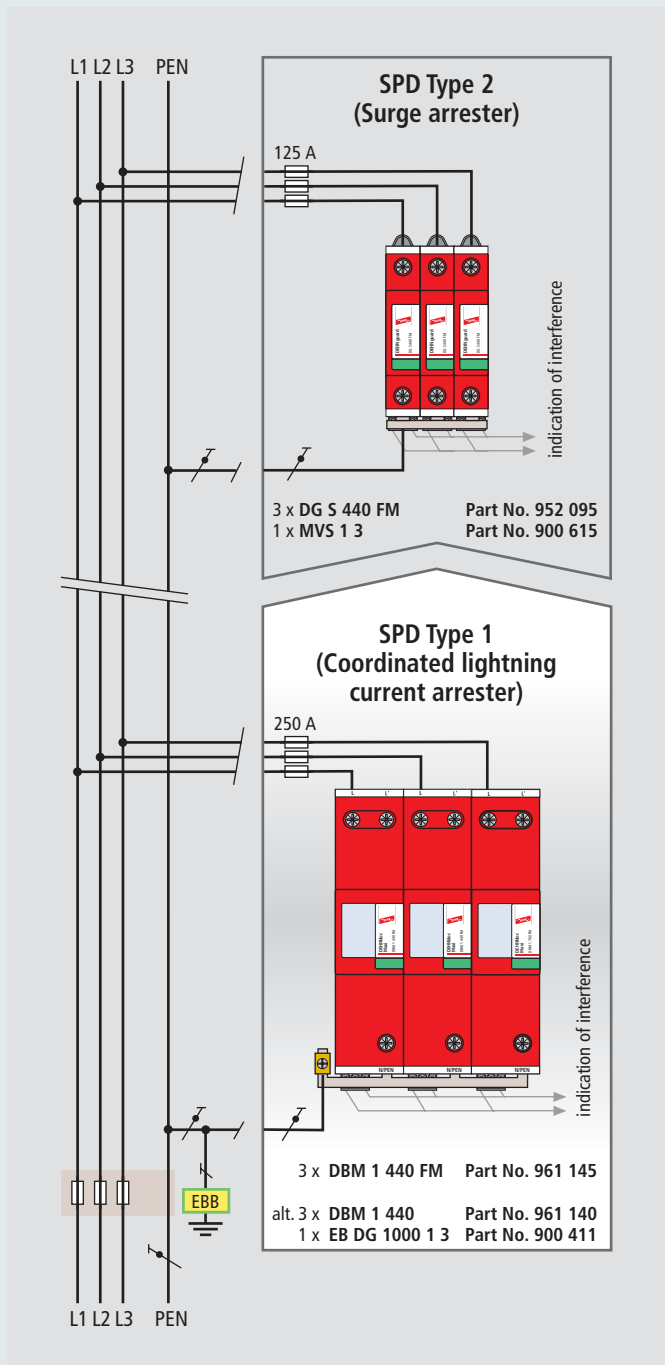
Socket Outlet

Subdistribution Board

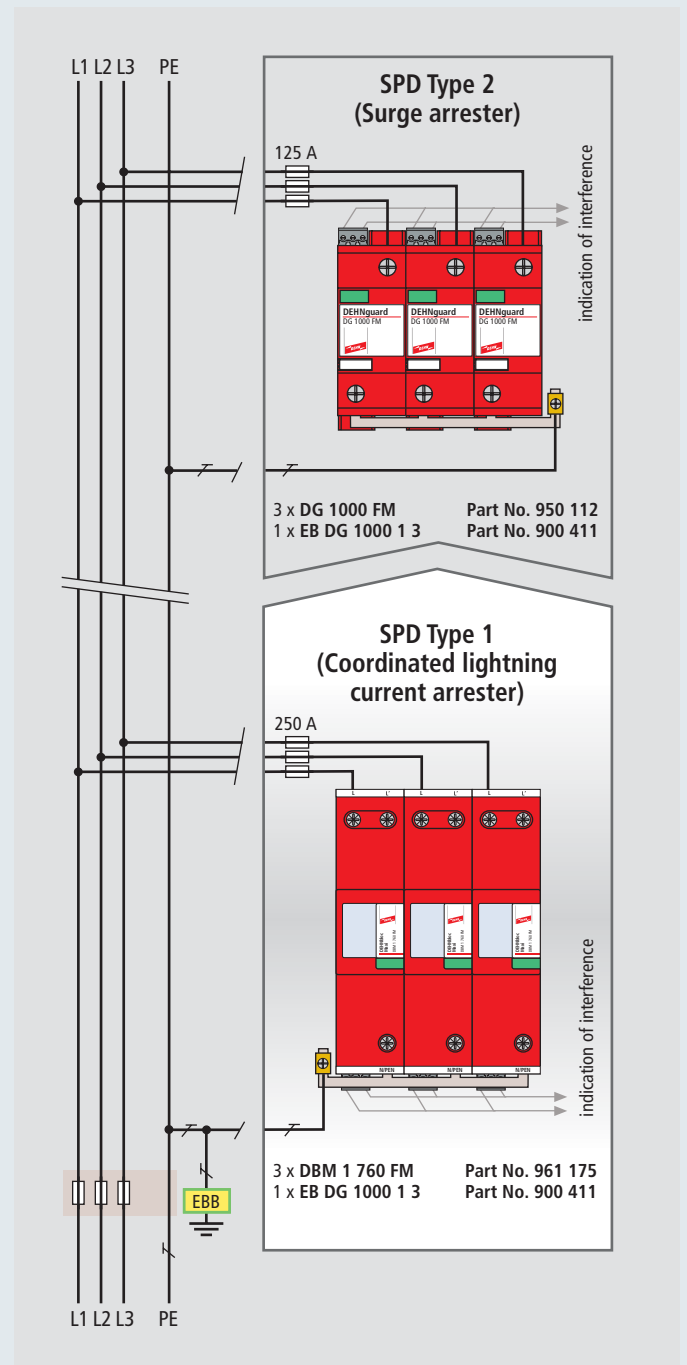
Main Distribution Board



1) Only required, if a fuse of the same or a lower nominal value is not already provided in the upstream power supply.

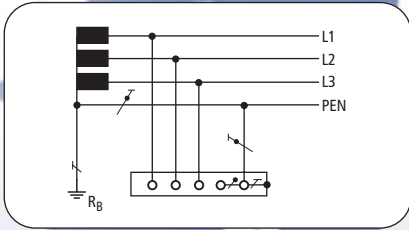


TN systems: Industry TN-C 400/690 V

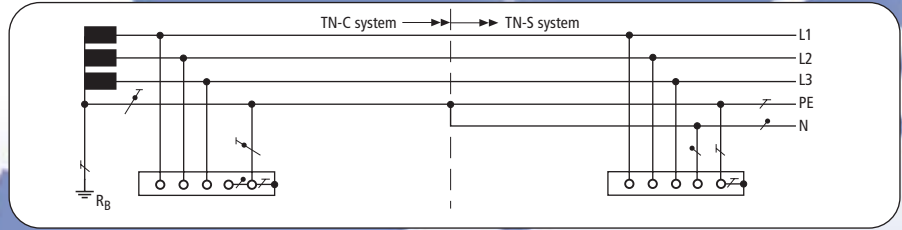


IT systems: Industry IT 690 V, without integrated neutral conductor

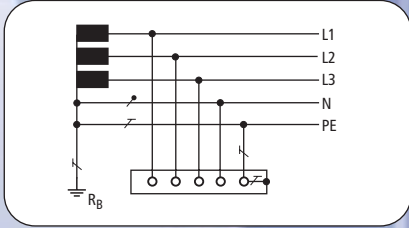
International system configurations* according to IEC 60364-1 (DIN VDE 0100-300)



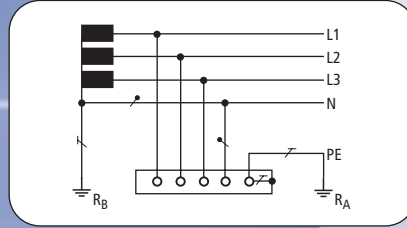
TN-C system 230 / 400 V



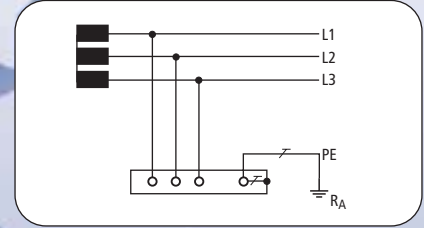
TN-C-S system 230 / 400 V



TN-S system 230 / 400 V

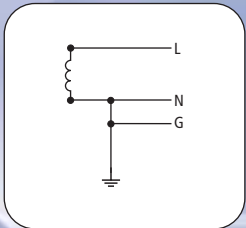


TT system 230 / 400 V



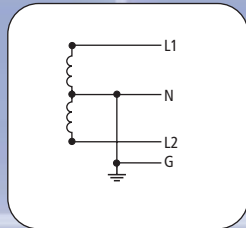
IT-system 230 V

Further system configurations* used worldwide



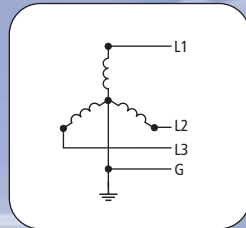
single-phase; 3 conductors

(1 Ph, 2 W + G)
110 V
120 V
220 V
240 V



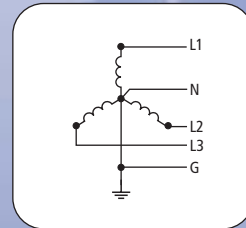
single-phase; 4 conductors
Split Phase or Edison

(1 Ph, 3 W + G)
120 V / 240 V



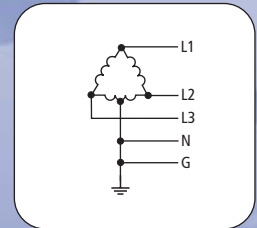
3-phase; 4 conductors

(3 Ph Y, 3 W + G)
480 V



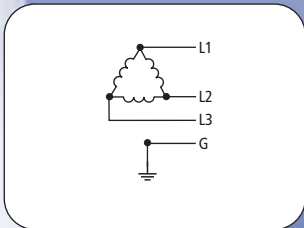
3-phase; 5 conductors

(3 Ph Y, 4 W + G)
120 V / 208 V
277 V / 480 V



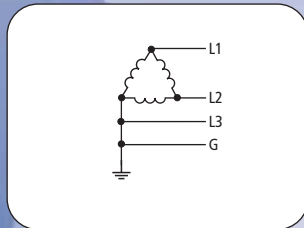
3-phase; 5 conductors
Delta „Highleg“

(3 Ph Δ, 4 W + G)
120 V / 240 V



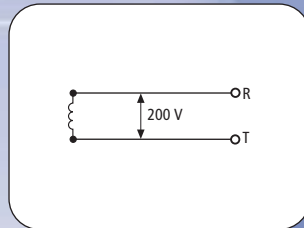
3-phase; 4 conductors
Delta „Ungrounded“

(3 Ph Δ, 3 W + G)
240 V
480 V



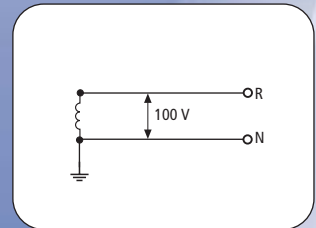
3-phase; 4 conductors
Delta „Grounded Corner“

(3 Ph Δ, 3 W + G)
240 V
480 V



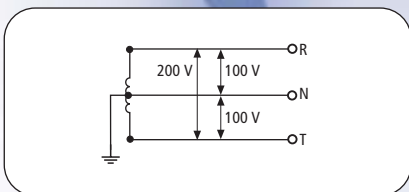
single-phase; 2 conductors

(1 Ph, 2 W)
200 V



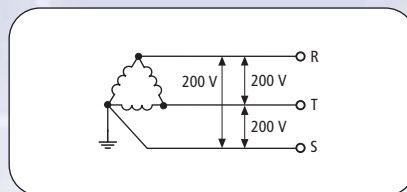
single-phase; 2 conductors

(1 Ph, 2 W)
100 V



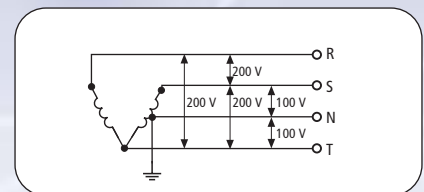
single-phase; 3 conductors

(1 Ph, 3 W)
100 V / 200 V



3-phase; 3 conductors

(3 Ph, 3 W)
200 V



3-phase; 3 conductors + single-phase; 3 conductors

100 V / 200 V; 200 V

* System according to earth connection (according to DIN VDE 0100-300)

Discontinued Products		Alternatives	
Part No.	Type	Part No.	Type
Combined SPDs – Type 1			
900 370	DV 2P TT 255	951 110 951 115	DV M TT 2P 255 or DV M TT 2P 255 FM
900 371	DV 2P TN 255	951 200 951 205	DV M TN 255 or DV M TN 255 FM
900 373	DV TNC 255	951 300 951 305	DV M TNC 255 or DV M TNC 255 FM
900 374	DV TNS 255	951 400 951 405	DV M TNS 255 or DV M TNS 255 FM
900 375	DV TT 255	951 310 951 315	DV M TT 255 or DV M TT 255 FM
Coordinated Lightning Current Arresters – Type 1			
900 015	DBM 1 135	961 110 961 115	DB M 1 150 or DB M 1 150 FM
900 025	DBM 1 255	961 120	DB M 1 255
900 026	DBM 1 255 L	961 125	DB M 1 255 FM
900 044	DBM 440	961 140 961 145	DBM 1 440 or DBM 1 440 FM
900 055	DGPM 255	961 101 961 105	DGP M 255 or DGP M 255 FM
Lightning Current Arresters – Type 1			
900 100	DP 255	900 222	DB 1 255 H
900 101	DP 440	961 140 900 159	DBM 1 440 or DB 1 440
900 110	DB 3 255	900 120	DB 3 255 H
900 111	DB 1 255	900 222	DB 1 255 H
900 260	DB NH00 255	900 273	DB NH00 255 H
Surge Arresters – Type 2			
900 133	DGP CT 255	952 030 952 035	DGP C S or DGP C S FM
900 265	V NH1 3	900 270	V NH1 280
900 266	VA NH1 3	900 271	VA NH1 280
900 506	DG TN 230	952 200	DG M TN 275
900 507	DG TN 230 FM	952 205	DG M TN 275 FM
900 508	DG TT 230	952 110	DG M TT 2P 275
900 509	DG TT 230 FM	952 115	DG M TT 2P 275 FM
900 510	DG TNC 230 400	952 300	DG M TNC 275
900 516	DG IT 500	952 302	DG M WE 600
900 520	DG TT 230 400	952 310	DG M TT 275
900 530	DG TNS 230 400	952 400	DG M TNS 275
900 540	DG TNC 230 400 FM	952 305	DG M TNC 275 FM
900 546	DG IT 500 FM	952 307	DG M WE 600 FM
900 550	DG TT 230 400 FM	952 315	DG M TT 275 FM
900 560	DG TNS 230 400 FM	952 405	DG M TNS 275 FM
900 600	DG 275	952 070	DG S 275
900 601	DG 600	952 076	DG S 600
900 602	DG 385	952 074	DG S 385
900 603	DG 150	952 072	DG S 150
900 604	DG 75	952 071	DG S 75
900 605	DG 320	952 073	DG S 320
900 607	DG 440	952 075	DG S 440
900 620	DG 275 FM	952 090	DG S 275 FM
900 621	DG 600 FM	952 096	DG S 600 FM
900 622	DG 385 FM	952 094	DG S 385 FM
900 623	DG 150 FM	952 092	DG S 150 FM

Discontinued Products		Alternatives	
Part No.	Type	Part No.	Type
900 624	DG 75 FM	952 091	DG S 75 FM
900 625	DG 320 FM	952 093	DG S 320 FM
900 627	DG 440 FM	952 095	DG S 440 FM
900 641	DG T 385	952 074	DG S 385
900 650	DG T 275	952 070	DG S 275
900 651	DG T 600	952 076	DG S 600
900 652	DG T 320	952 073	DG S 320
900 653	DG T 150	952 072	DG S 150
900 654	DG T 75	952 071	DG S 75
900 655	DG T 440	952 075	DG S 440
900 680	DG T 275 FM	952 090	DG S 275 FM
900 681	DG T 600 FM	952 096	DG S 600 FM
900 682	DG T 320 FM	952 093	DG S 320 FM
900 683	DG T 150 FM	952 092	DG S 150 FM
900 684	DG T 75 FM	952 091	DG S 75 FM
900 685	DG T 440 FM	952 095	DG S 440 FM
900 691	DG T 385 FM	952 094	DG S 385 FM
901 000	VAV 1000	950 102 950 112	DG 1000 or DG 1000 FM
902 375	VA NH00 280 3 IG FM	–	
902 376	VA NH00 280 4 IG FM	–	
902 385	VA NH00 280 3 IG	–	
902 386	VA NH00 280 4 IG	–	
Surge Arresters – Type 3			
901 100	DR 230 FML	953 205 953 200	DR M 2P 255 FM or DR M 2P 255
901 101	DR 120 FML	953 209 953 204	DR M 2P 150 FM or DR M 2P 150
901 102	DR 60 FML	953 208 953 203	DR M 2P 75 FM or DR M 2P 75
901 103	DR 48 FML	953 207 953 202	DR M 2P 60 FM or DR M 2P 60
901 104	DR 24 FML	953 206 953 201	DR M 2P 30 FM or DR M 2P 30
909 820	SF PRO	909 240	DPRO 230 F
909 821	S PRO	909 230	DPRO 230
Mains Connection Boxes			
900 964	NAK 63A 4	951 400	DV M TNS 255
900 965	NAK 63A 3	951 300	DV M TNC 255
900 966	NAK 35A 4	951 400	DV M TNS 255
900 967	NAK 35A 3+1	951 310	DV M TT 255
900 968	NAK 35A 3	951 300	DV M TNC 255
900 969	NAK 63A 3+1	951 310	DV M TT 255
902 492	NAK TAB 3	900 390	DV ZP TNC 255
902 493	NAK TAB 3+1	900 391	DV ZP TT 255
902 494	NAK TAB 4	900 391	DV ZP TT 255
Accessories			
900 309	IGA 10 IP54	902 480	IGA 10 IP55
900 121	DBR 35	–	
900 122	DBR 63	–	
Isolating Spark Gaps			
923 070	EXFS C1	923 100	EXFS 100
923 071	EXFS C1 KU	923 101	EXFS 100 KU



DEHN + SÖHNE

**Lightning Protection
Surge Protection
Safety Equipment**

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GmbH+Co.KG.
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92306 Neumarkt
Germany

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Fax +49 9181 906-444
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info@dehn.de