



Life-Line® starters • type N

size three • non-reversing

classes 11-200, 11-203, 11-204, 11-206
two, three and four pole

renewal
parts data

11-000A3

page 1

general

This data presents the most frequently used renewal parts for size 3 type N Life-Linestarters of current design.

The parts shown are for use in Life-Linestarters classes 11-200, 11-203, 11-204 and 11-206. Parts for class 11-205 are the same as 11-206 except overload relay is omitted.

Style numbers of the complete Life-Linestarters are shown on pages 1, 2 and 3. The renewal parts shown on page 4 apply to all these complete starters listed. Information on parts not shown may be obtained at the nearest Westinghouse office. Please advise class and style number of complete starter when requesting this information.

kits of normal wearing parts

Normal wearing parts for two and three pole Linestarters have been packaged in a single, easily identified contact kit. Each kit contains one moving contact, one moving contact spring and two stationary contacts for each pole. The contact kit for a two pole Linestarter is style number 1625 561 and for three pole is style number 1625 563. Two style number 1625 561 kits are used for a four pole Linestarter.

class 11-200 Life-Linestarters

no. of poles	style number of Linestarter											equipment built-in
	110 volt 25 cycle	110 volt 50 cycle	110 volt 60 cycle	220v-25c 380v-50c 400v-50c 440v-60c 480v-60c	220 volt 50 cycle	208v-60c 220v-60c	440 volt 25 cycle	400v-50c 440v-50c	550 volt 25 cycle	550 volt 50 cycle	550 volt 60 cycle		600 volt 60 cycle

open starter

3	1596 823	1596 817	1596 812	1596 814	1596 818	1596 813	1596 821	1596 819	1596 822	1596 820	1596 815	1596 816	.....
3	1746 165	1746 159	1746 154	1746 156	1746 160	1746 163	1746 161	1746 164	1746 162	1746 157	1746 158	1746 159	.....
4	1598 113	1598 107	1598 102	1598 104	1598 108	1598 103	1598 111	1598 109	1598 112	1598 110	1598 105	1598 106	.....

standard sheet steel (NEMA 1) enclosure

3	1596 725	1596 719	1596 714	1596 716	1596 720	1596 715	1596 723	1596 721	1596 724	1596 722	1596 717	1596 718	.....
3	1746 179	1746 173	1746 168	1746 170	1746 174	1746 169	1746 177	1746 175	1746 178	1746 176	1746 171	1746 172	.....
4	1598 085	1598 079	1598 074	1598 076	1598 080	1598 075	1598 083	1598 081	1598 084	1598 083	1598 077	1598 078	.....
3	1596 907	1596 901	1596 896	1596 898	1596 902	1596 897	1596 905	1596 903	1596 906	1596 904	1596 899	1596 900	pushbutton
3	1746 193	1746 187	1746 182	1746 184	1746 188	1746 183	1746 191	1746 189	1746 192	1746 190	1746 185	1746 186	pushbutton
4	1599 411	1599 405	1599 400	1599 402	1599 406	1599 401	1599 409	1599 407	1599 410	1599 408	1599 403	1599 404	pushbutton
3	1599 475	1599 469	1599 464	1599 466	1599 470	1599 465	1599 473	1599 471	1599 474	1599 472	1599 467	1599 468	selector switch
3	1746 207	1746 201	1746 196	1746 198	1746 202	1746 197	1746 205	1746 203	1746 206	1746 204	1746 199	1746 200	.....

dust tight sheet steel (NEMA V) enclosure

3	1599 545	1599 539	1599 534	1599 536	1599 540	1599 535	1599 543	1599 541	1599 544	1599 542	1599 537	1599 538	.....
3	1746 221	1746 215	1746 210	1746 212	1746 216	1746 211	1746 219	1746 217	1746 220	1746 218	1746 213	1746 214	.....

water tight (NEMA IV) enclosure

3	1599 587	1599 581	1599 576	1599 578	1599 582	1599 577	1599 585	1599 583	1599 586	1599 584	1599 579	1599 580	
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explosion proof (NEMA VII class I group D) enclosures

3	1619 541	1619 535	1619 530	1619 532	1619 536	1619 531	1619 539	1619 537	1619 540	1619 538	1619 533	1619 534	
3	1619 555	1619 549	1619 544	1619 546	1619 550	1619 545	1619 553	1619 551	1619 554	1619 552	1619 547	1619 548	pushbutton

explosion proof (NEMA IX class II group E, F, G) enclosure

3	1619 625	1619 619	1619 614	1619 616	1619 620	1619 615	1619 623	1619 621	1619 624	1619 622	1619 617	1619 618	
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class 11-203 Life-Linestarter with transformer • 3-pole

style number of Linestarter		equipment included†
220v-60 c 440v-60c	220 volt 60 cycle	

sheet steel (NEMA XII) enclosure

1599 688		circuit breaker disconnect switch disconnect switch
1617 462	.....	
1745 438	1745 439	

semi dust-tight sheet steel (NEMA 1A) enclosure

1617 000		circuit breaker disconnect switch disconnect switch
1617 816		
1745 424	1745 425	

transformer style number

1454 849	1619 204	
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† See page 4

May, 1959

supersedes r.p.d. 11-200A3, 11-203A3, 11-204A3, 11-205A3 and 11-206A3 dated December, 1956.
mailed to: E/587, 591, 593, 595; D61-6A, C, S; C301, 305, 307, 309

class 11-203 Life-Linestarter without transformer • 3-pole

style number of Linestarter

110 volt 25 cycle	110 volt 50 cycle	110 volt 60 cycle	220v-25c 380v-50c 400v-50c 440v-60c 480v-60c	220 volt 50 cycle	208v-60c 220v-60c	440 volt 25 cycle	400v-50c 440v-50c	550 volt 25 cycle	550 volt 50 cycle	550 volt 60 cycle	600 volt 60 cycle	equipment included
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standard sheet steel (NEMA I) enclosure

1617 459	1617 453	1617 448	1617 450	1617 454	1617 449	1617 457	1617 455	1617 458	1617 456	1617 451	1617 452	disconnect switch
1617 813	1617 807	1617 802	1617 804	1617 808	1617 803	1617 811	1617 809	1617 812	1617 810	1617 805	1617 806	circuit breaker
1745 421	1745 415	1745 410	1745 412	1745 416	1745 411	1745 419	1745 417	1745 420	1745 418	1745 413	1745 414	disconnect switch

semi dust-tight sheet steel (NEMA 1A) enclosure

1617 799	1617 793	1617 788	1617 790	1617 794	1617 789	1617 797	1617 795	1617 798	1617 796	1617 791	1617 792	disconnect switch
1745 534	1745 527	1745 522	1745 524	1745 528	1745 523	1745 531	1745 529	1745 532	1745 530	1745 525	1745 526	disconnect switch
.....	.....	.....	1745 533	.....	.....	.....	.....	.....	.....	.....	.....	disconnect switch

waterproof (NEMA IV) enclosure

1622 625	1622 619	1622 614	1622 616	1622 620	1622 615	1622 623	1622 621	162 624	1622 622	1622 617	1622 618	disconnect switch
1745 548	1745 541	1745 536	1745 538	1745 542	1745 537	1745 545	1745 543	1745 546	1745 544	1745 539	1745 540	disconnect switch
.....	.....	.....	1745 547	.....	.....	.....	.....	.....	.....	.....	.....	disconnect switch

explosion proof (NEMA IX class I groups E, F, G) enclosure

1619 681	1619 675	1619 670	1619 672	1619 676	1619 671	1619 679	1619 677	1619 680	1619 678	1619 673	1619 674	circuit breaker
1745 561	1745 555	1745 550	1745 552	1745 556	1745 551	1745 559	1745 557	1745 560	1745 558	1745 553	1745 554	disconnect switch

class 11-204 Life-Linestarter with transformer • 3-pole

fuse clip
amps

style number
of Linestarter

transformer
style number

110 volt 60 cycle

sheet steel (NEMA XII) enclosure

100	1599 772	1619 204
100	1599 773	1454 849
200	1617 014	1619 204
200	1617 015	1454 849
400	1617 028	1619 204

semi dust-tight sheet steel (NEMA 1A) enclosure

100	1617 490	1619 204
100	1617 491	1454 849
200	1617 504	1619 204
200	1617 505	1454 849
400	1617 518	1619 204

class 11-204 Life-Linestarter without transformer • 3-pole

fuse
clip
amps

style number of Linestarter

110 volt 25 cycle	110 volt 50 cycle	110 volt 60 cycle	220 volt 25 cycle	220 volt 50 cycle	208v-60c 220v-60c	380v-50c 400v-50c 440v-60c 480v-60c	440 volt 25 cycle	400v-50c 440v-50c	550 volt 25 cycle	550 volt 50 cycle	550 volt 60 cycle	600 volt 60 cycle
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standard sheet steel (NEMA I) enclosure

100	1617 082	1617 075	1617 070	1617 081	1617 076	1617 071	1617 072	1617 079	1617 077	1617 080	1617 078	1617 073	1617 074
200	1617 096	1617 089	1617 084	1617 095	1617 090	1617 085	1617 086	1617 093	1617 091	1617 094	1617 092	1617 087	1617 088
400	.....	.....	.....	1617 100	1617 099	1617 098	.....	.....	.....	.....	.....	.....	.....

semi dust-tight sheet steel (NEMA 1A) enclosure

100	1617 558	1617 551	1617 546	1617 557	1617 552	1617 547	1617 548	1617 555	1617 553	1617 556	1617 554	1617 549	1617 550
200	1617 572	1617 565	1617 560	1617 571	1617 566	1617 561	1617 562	1617 569	1617 567	1617 570	1617 568	1617 563	1617 564
400	.....	.....	.....	1617 576	1617 575	1617 574	.....	.....	.....	.....	.....	.....	.....

watertight (NEMA IV) enclosure

100	1617 856	1617 849	1617 844	1617 855	1617 850	1617 845	1617 846	1617 853	1617 851	1617 854	1617 852	1617 847	1617 848
200	1619 696	1619 689	1619 684	1619 695	1619 690	1619 685	1619 686	1619 693	1619 691	1619 694	1619 692	1619 687	1619 688
400				1622 602	1622 601	1622 600							

sheet steel (NEMA XII) enclosure

100							1817 710*						
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* 440 volts, 60 cycles.
† see page 4.

class 11-206 Life-Linestarter with transformer • 3-pole**style number of Linestarter**

220v-60c	220 volt
440v-60c	60 cycle

**sheet steel
(NEMA XII) enclosure**

1599 660	1599 661
1745 340	1745 341
.....	

**standard sheet steel
(NEMA I) enclosure**

1617 126	1617 127
1745 242	1745 243
1617 128♦	.....
1745 244♦	.....

**semi dust-tight sheet steel
(NEMA IA) enclosure**

1617 140	1617 141
1745 298	1745 299
1617 830	1617 831
1745 312	1745 313

style number of Linestarter

220v-60c	220 volt
440v-60c	60 cycle

**water tight
(NEMA IV) enclosure**

1617 154	1617 155
1745 368	1745 369

transformer style number

1454 849	1619 204
1454 916♦	.....

class 11-206 Life-Linestarter without transformer • 3-pole**style number of Linestarter**

110 volt 25 cycle	110 volt 50 cycle	110 volt 60 cycle	220 volt 25 cycle	220 volt 50 cycle	208v-80c 220v-60c	380v-50c 400v-50c 440v-60c 480v-60c	440 volt 25 cycle	400v-50c 440v-50c	550 volt 25 cycle	550 volt 50 cycle	550 volt 60 cycle	600 volt 60 cycle
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sheet steel (NEMA XII) enclosure

.....	1598 189	1598 184	1598 195	1598 190	1598 185	1598 186	1598 193	1598 191	1598 194	1598 192	1598 187	1598 188
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standard sheet steel (NEMA I) enclosure

1596 712	1596 705	1596 700	1596 711	1596 706	1596 701	1596 702	1596 709	1596 707	1596 710	1596 708	1596 703	1596 704
1745 212	1745 205	1745 200	1745 211	1745 206	1745 201	1745 202	1745 209	1745 207	1745 210	1745 208	1745 203	1745 204
1598 044	1598 037	1598 032	1598 043	1598 038	1598 033	1598 034	1598 041	1598 039	1598 042	1598 040	1598 035	1598 036
1745 226	1745 219	1745 214	1745 225	1745 220	1745 215	1745 216	1745 223	1745 221	1745 224	1745 222	1745 217	1745 218
1745 240	1745 233	1745 228	1745 239	1745 234	1745 229	1745 230	1745 237	1745 235	1745 238	1745 236	1745 231	1745 232

dust tight sheet steel (NEMA V) enclosure

1617 716	1617 709	1617 704	1617 715	1617 710	1617 705	1617 706	1617 713	1617 711	1617 714	1617 712	1617 707	1617 708
1745 338	1745 331	1745 326	1745 337	1745 332	1745 327	1745 328	1745 335	1745 333	1745 336	1745 334	1745 329	1745 330

explosion proof (NEMA VII class I group D) enclosure

1619 598	1619 591	1619 586	1619 597	1619 592	1619 587	1619 588	1619 595	1619 593	1619 596	1619 594	1619 589	1619 590
1745 394	1745 387	1745 382	1745 393	1745 388	1745 383	1745 384	1745 391	1745 389	1745 392	1745 390	1745 385	1745 386

semi dust-tight sheet steel (NEMA IA) enclosure

1598 182	1598 175	1598 170	1598 181	1598 176	1598 171	1598 172	1598 179	1598 177	1598 180	1598 178	1598 173	1598 174
1745 282	1745 275	1745 270	1745 281	1745 276	1745 271	1745 272	1745 279	1745 277	1745 280	1745 278	1745 273	1745 274
1598 072	1598 065	1598 060	1598 071	1598 066	1598 061	1598 062	1598 069	1598 067	1598 070	1598 068	1598 063	1598 064
1745 296	1745 289	1745 284	1745 295	1745 290	1745 285	1745 286	1745 293	1745 291	1745 294	1745 292	1745 287	1745 288

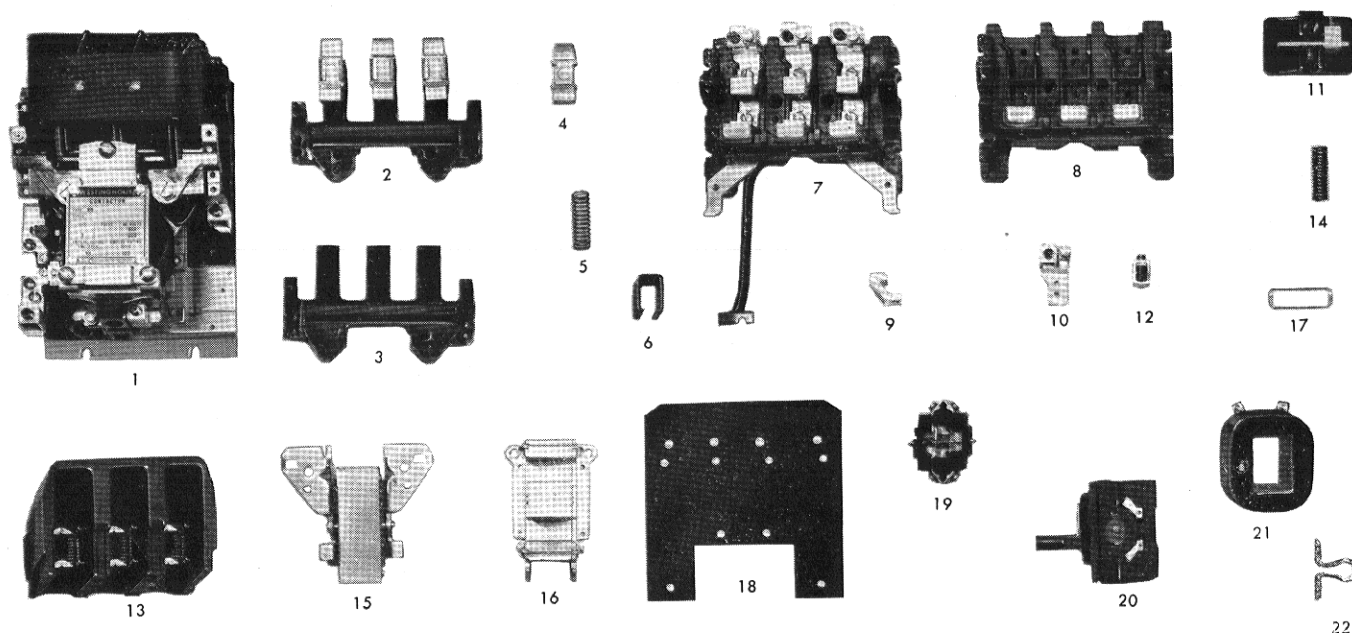
water tight (NEMA IV) enclosure

1599 644	1599 637	1599 632	1599 643	1599 638	1599 633	1599 634	1599 641	1599 639	1599 642	1599 640	1599 635	1599 636
1745 366	1745 359	1745 354	1745 365	1745 360	1745 355	1745 356	1745 363	1745 361	1745 364	1745 362	1745 357	1745 358

explosion proof (NEMA IX class II groups E, F, G) enclosure

1619 654	1619 647	1619 642	1619 653	1619 648	1619 643	1619 644	1619 651	1619 649	1619 652	1619 650	1619 645	1619 646
1745 408	1745 401	1745 396	1745 407	1745 402	1745 397	1745 398	1745 405	1745 403	1745 406	1745 404	1745 399	1745 400

♦ 25 cycles.



reference numbers	description of part	style number of part		number used
		three pole	four pole	
1	Open non-reversing starter panel.....	1490 471	1490 497	1
△ 2	contactor mechanical parts.....	1490 465	1490 492	1
3	cross bar complete.....	1490 403	1490 481	1
4	cross bar.....	1490 414	1490 414	1 per pole
5	moving contact.....	1490 419	1490 419	1 per pole
6	contact spring.....	1490 372	1490 372	1 per pole
7	moving contact support.....	1490 429	1490 491	1
8	base complete.....	1600 431	1600 434	1
9	base with arc cups.....	1490 415	1490 415	2 per pole
10	stationary contact.....	1490 416	1490 416	1 per pole
11	load terminal block (center).....	1490 433	.....	1
12	terminal.....	1490 407	.....	1
12	load terminal (inner).....	1490 405	1490 405	2
13	arc box.....	1600 430	1600 430	1
14	kickout spring.....	1490 418	1490 418	1
15	armature complete.....	1490 399	1490 482	1
16	stationary magnet.....	1490 390	1502 703	1
17	shading coil.....	1490 353	1490 353	2
18	base insulation.....	1490 398	1502 701	1
12	load terminal (outer).....	1490 405	1490 405	2
19	type L-60 electrical interlock (inboard) ▲.....	1490 460	1490 460	1
△ 20	type L-60 electrical interlock (outboard) ▲.....	1490 456	1490 456	2
△	type MW overload relay base assembly.....	1776 902	1776 902	2
△	pushbutton complete (when used).....	1600 671	1600 671	1
△	pushbutton unit (when used).....	1400 797	1400 797	1
△	selector switch complete (when used).....	1600 672	1600 672	1
△	selector switch (when used).....	1400 796	1400 796	1
21	operating coil.....	see pg. 1	see pg. 1	1
22	relay heater.....	□	□	2

Parts indented are included in the part under which they are indented. △ Not illustrated.

■ Not supplied without coil; specify style number of coil desired.

□ When ordering heater specify code marking stamped on heater.

▲ One additional inboard and two outboard interlocks may be installed, either normally open or normally closed. See I.L. 10708.

ordering information

- Name the part and give its style number.
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.

style number of operating coil

110v-23c	110v-50c	110v-60c	220v-25c	220v-50c	208v-60c 220v-60c	380v-50c 400v-50c 440v-60c 480v-60c	440v-25c	400v-50c 440v-50c	550v-25c	550v-50c	550v-60c	600v-60c
1490 646	1490 652	1490 645	1490 647	1490 653	1490 646	1490 647	1490 650	1490 655	1490 651	1490 656	1490 648	1490 649