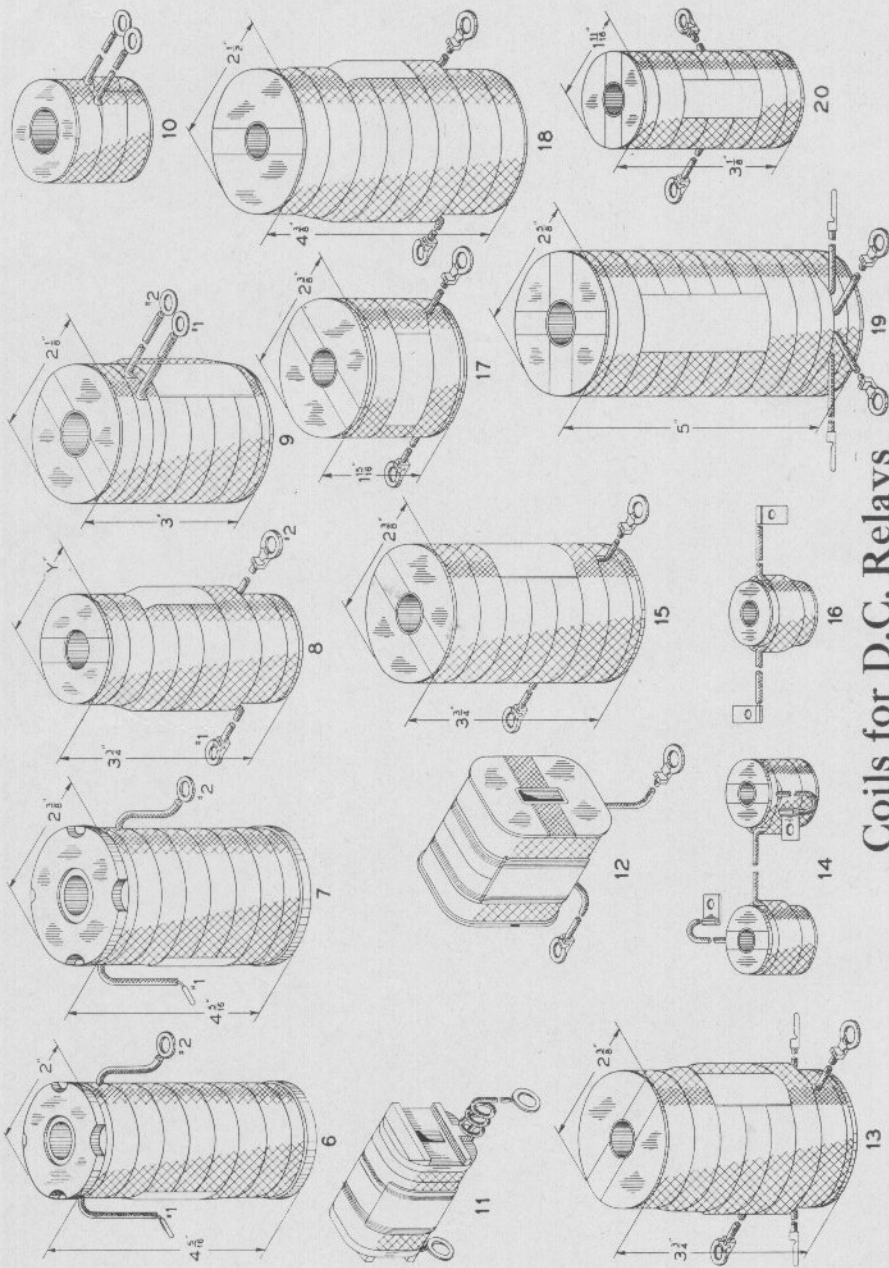




Coils for D.C. Relays

Coils for D.C. Relays

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Magnet Coil for Model 12 Polarized and Interlocking, and Model 13 Round Base Neutral Relays.			
	Ref.	Description	
	6	Magnet Coil for Style . . Relay, . . Ohms Resistance Per Coil, Piece Number . . (Select resistance and piece number from table below).	
Piece		Resistance Per Coil	Drawing Reference
80878		0.18.....	8133-127
114876		0.2.....	8133-127
90842		0.5.....	8133-127
74524		1.....	8133-127
114875		1 Slow Release.....	8133-140
72980		1.5.....	8133-127
68728		1.75.....	8133-127
69153		2.....	8133-127
144600		2 No. 2 lead long for parallel connection of coils.	8133-127
97627		2 Slow Release.....	8133-140
118923		2 Slow Release No. 2 lead long for parallel connection of coils.....	8133-140
78527		2.5.....	8133-127
97479		3.....	8133-127
127580		3.5.....	8133-127
90755		4.....	8133-127
69155		4.5.....	8133-127
96232		5.5.....	8133-127

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece	Resistance Per Coil (Continuation of Ref. 6)	Drawing Reference
79745	6.....	8133-127
70577	8.....	8133-127
129565	10.....	8133-127
81146	15.....	8133-127
91008	17.5.....	8133-127
128165	17.5 Slow Release.....	8133-140
86563	20.....	8133-127
87583	25.....	8133-127
99348	25 Slow Release.....	8133-140
94564	28.25.....	8133-127
124240	37.5 Slow Release.....	8133-140
81144	50.....	8133-127
117776	50 Slow Release.....	8133-140
73349	62.5.....	8133-127
152443	62.5 Slow Release.....	8133-140
111458	68.....	8133-127
116282	70.....	8133-127
94118	75.....	8133-127
136537	75 Slow Release.....	8133-140
75643	100.....	8133-127
114316	100 Slow Release.....	8133-140
69244	125.....	8133-127
85839	125 Slow Release.....	8133-140
115176	150.....	8133-127

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece		Resistance Per Coil (Continuation of Ref. 6)	Drawing Reference
85531		200	8133-127
143945		200 Slow Release	8133-140
95874		215	8133-127
96071		225	8133-127
69152		250	8133-127
80918		250 Slow Release	8133-140
89670		300	8133-127
78925		335	8133-127
133380		335 Slow Release	8133-140
72252		375	8133-127
117987		375 Slow Release	8133-140
76085		400	8133-127
69154		500	8133-127
76208		500 Slow Release	8133-140
96039		1000	8133-127
Magnet Coil for 4, 6, 8 and 10-Point Model 13 Square Base Relays.			
	Ref.	Description	
	7	Magnet Coil for Style .. Relay, .. Ohms Resistance Per Coil, Piece Number ... (Select resistance and piece number from following table):	

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PLATE **E-5025**

UNION SWITCH & SIGNAL CO.

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece	Resistance Per Coil (Continuation of Ref. 7)	Drawing Reference
79337	1.....	8133-132
69899	2.....	8133-132
177166	2 With long leads for parallel connection of coils.	8133-132
136743	2 Slow Release.....	8133-327
76942	2.5.....	8133-132
99524	3.....	8133-132
81583	4.5.....	8133-132
120689	5.....	8133-132
115987	6.....	8133-132
115311	8.....	8133-132
124465	12.5 Slow Release.....	8133-327
117835	17.5.....	8133-132
123904	20.....	8133-132
77979	25.....	8133-132
159215	25 Slow Release.....	8133-327
119610	40.....	8133-132
114457	50.....	8133-132
142564	68.....	8133-132
89658	75.....	8133-132
123365	100.....	8133-132
95006	125.....	8133-132
135854	125 Slow Release.....	8133-327
142565	150.....	8133-132

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece		Resistance Per Coil (Continuation of Ref. 7)	Drawing Reference	
132720		200 Slow Release	8133-327	
90309		250	8133-132	
114830		250 Slow Release	8133-327	
113795		300	8133-132	
118209		335	8133-132	
170592		375	8133-132	
120447		375 Slow Release	8133-327	
158569		400	8133-132	
68732		500	8133-132	
123944		500 Slow Release	8133-327	
96944		1000	8133-132	
Magnet Coil for Styles "DN-11," "DN-12," "DX-13," "DP-14" and "DP-23" Relays.				
	Ref.	Description		
	8	Magnet Coil for Style . . Relay, . . Ohms Resistance Per Coil, Piece Number . . . (Select resistance and piece number from table below):		
Piece		Resistance Per Coil	"Y" Approx.	Drawing Reference
*184912		1	2 $\frac{1}{8}$ "	8133-452
144439		2	2 $\frac{3}{8}$ "	8133-365
*169458		4QA (For Quick Shunting)	1 $\frac{15}{16}$ "	8133-339

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece	Resistance Per Coil (Continuation of Ref. 8)	"Y" Approx.	Drawing Reference
156500	4.5.....	2 $\frac{3}{8}$ "	8133-365
156501	8.....	2 $\frac{3}{8}$ "	8133-365
* 171986	10 Slow Release.....	2"	8133-388
* 163069	12.....	1 $\frac{15}{16}$ "	8133-339
* 167467	20.....	1 $\frac{15}{16}$ "	8133-339
* 179520	20 Slow Release.....	2"	8133-388
* 189122	27.5.....	2 $\frac{1}{8}$ "	8133-452
* 159678	30.....	1 $\frac{15}{16}$ "	8133-339
* 177100	35 Slow Release.....	2"	8133-388
* 145829	45.....	1 $\frac{15}{16}$ "	8133-339
* 186691	45 Slow Release.....	2"	8133-388
* 157893	50 Slow Release.....	2"	8133-388
* 153693	50.....	2 $\frac{1}{8}$ "	8133-452
* 137703	75.....	1 $\frac{15}{16}$ "	8133-339
* 138111	125.....	1 $\frac{15}{16}$ "	8133-339
* 157894	125 Slow Release.....	2"	8133-388
* 151742	180.....	1 $\frac{15}{16}$ "	8133-339
* 157895	200 Slow Release.....	2"	8133-388
* 157896	250 Slow Release.....	2"	8133-388
* 153698	250.....	2 $\frac{1}{8}$ "	8133-452
* 144561	335.....	1 $\frac{15}{16}$ "	8133-339
* 143067	500.....	1 $\frac{15}{16}$ "	8133-339
* 157897	500 Slow Release.....	2"	8133-388

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece		Resistance Per Coil (Continuation of Ref. 8)	"Y" Approx.	Drawing Reference
*156502		750.....	$1\frac{11}{16}"$	8133-339
*172632		750 Slow Release.....	2"	8133-388
*147953		1000.....	$1\frac{11}{16}"$	8133-339
*These Coils are identical with those shown under Ref. 8a for Styles "DN-22," "DN-22A," "DN-22L" and "DN-22P" Relays.				
Magnet Coil for Styles "DN-22," "DN-22A," "DN-22L" and "DN-22P" Relays.				
	Ref.	Description		
	8a	Magnet Coil for Style .. Relay, .. Ohms Resistance Per Coil, Piece Number ... (Select resistance and piece number from table below):		
Piece		Resistance Per Coil	"Y" Approx.	Drawing Reference
206446		0.16.....	$2\frac{1}{8}"$	8133-452
190940		0.25.....	$1\frac{11}{16}"$	8133-339
196624		0.37.....	$2\frac{1}{8}"$	8133-452
*184912		1.....	$2\frac{1}{8}"$	8133-452
188877		1 Two windings, three leads, for Style "DN-22" Primary Relays.....	$2\frac{1}{8}"$	8133-440
169440		1.5 Slow Release.....	2"	8133-388
184897		2.....	$2\frac{1}{8}"$	8133-452
187666		2 Two windings, three leads, for Style "DN-22" Primary Relays.....	$2\frac{1}{8}"$	8133-440

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece	Resistance Per Coil (Continuation of Ref. 8a)	"Y" Approx.	Drawing Reference
*169458	4QA (For Quick Shunting).....	1 $\frac{15}{16}$ "	8133-339
150152	5.....	1 $\frac{15}{16}$ "	8133-339
192308	5 Slow Release.....	2"	8133-388
138110	8.....	1 $\frac{15}{16}$ "	8133-339
*171986	10 Slow Release.....	2"	8133-388
*163069	12.....	1 $\frac{15}{16}$ "	8133-339
*167467	20.....	1 $\frac{15}{16}$ "	8133-339
*179520	20 Slow Release.....	2"	8133-388
*189122	27.5.....	2 $\frac{1}{8}$ "	8133-452
*159678	30.....	1 $\frac{15}{16}$ "	8133-339
*177100	35 Slow Release.....	2"	8133-388
*145829	45.....	1 $\frac{15}{16}$ "	8133-339
*186691	45 Slow Release.....	2"	8133-388
*157893	50 Slow Release.....	2"	8133-388
*153693	50.....	2 $\frac{1}{8}$ "	8133-452
*137703	75.....	1 $\frac{15}{16}$ "	8133-339
*138111	125.....	1 $\frac{15}{16}$ "	8133-339
*157894	125 Slow Release.....	2"	8133-388
*151742	180.....	1 $\frac{15}{16}$ "	8133-339
*157895	200 Slow Release.....	2"	8133-388
*157896	250 Slow Release.....	2"	8133-388
*153698	250.....	2 $\frac{1}{8}$ "	8133-452
*144561	335.....	1 $\frac{15}{16}$ "	8133-339

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece		Resistance Per Coil (Continuation of Ref. 8a)	"Y" Approx.	Drawing Reference
*143067		500	1 $\frac{15}{16}$ "	8133-339
*157897		500 Slow Release	2"	8133-388
*156502		750	1 $\frac{15}{16}$ "	8133-339
*172632		750 Slow Release	2"	8133-388
*147953		1000	1 $\frac{15}{16}$ "	8133-339
*These Coils are identical with those shown under Ref. 8 for Styles "DN-11," "DN-12," "DX-13," "DP-14" and "DP-23" Relays.				
Magnet Coil for Styles "NF" and "NF-2" Relays.				
	Ref.	Description		
	9	Magnet Coil for Style . . Relay, . . Ohms Resistance Per Coil, Piece Number . . . (Select Resistance and Piece Number from table below):		
Piece		Resistance Per Coil		Drawing Reference
190563		4		8133-336
183668		175		8133-336
135256		175		8133-336
125629		200		8133-336
125630		350		8133-336
157409		400		8133-336
135257		400		8133-336

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Large Magnet Coil for Style "DD-24" Relay.			
	Ref.	Description	
	9a	Large Magnet Coil for Style "DD-24" Relay, ... Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from table below):	
Piece		Resistance Per Coil	Drawing Reference
191874		1600.....	8133-336
Small Magnet Coil for Style "DD-24" Relay.			
	Ref.	Description	
	10	Small Magnet Coil for Style "DD-24" Relay, ... Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from table below):	
Piece		Resistance Per Coil	Drawing Reference
191957		475.....	8133-456
Magnet Coil for Style "DNL-3" Relay.			
	Ref.	Description	
	11	Magnet Coil for Style "DNL-3" Relay, ... Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from following table):	

UNION SWITCH & SIGNAL CO.

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Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece	Resistance Per Coil (Continuation of Ref. 11)		Drawing Reference
136973	0.05	.....	8133-346
135321	0.14	.....	8133-346
187769	1	.....	8133-347
145091	2	.....	8133-347
141999	5	.....	8133-347
140303	8	.....	8133-347
138650	30	.....	8133-347
135842	44	.....	8133-347
181850	60	.....	8133-347
135322	78	.....	8133-347
138134	125	.....	8133-347
178163	250	.....	8133-347
158282	295	.....	8133-347
Magnet Coil for Style "DNL-4" Relay.			
	Ref.	Description	
	12	Magnet Coil for Style "DNL-4" Relay, .. Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from table below).	
Piece	Resistance Per Coil		Drawing Reference
182834	0.05		8133-423
179446	0.14		8133-423

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UNION SWITCH & SIGNAL CO.

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece		Resistance Per Coil (Continuation of Ref. 12)	Drawing Reference
182835		2.....	8133-423
182836		5.....	8133-423
182837		8.....	8133-423
182838		19.....	8133-423
182839		30.....	8133-423
182840		44.....	8133-423
182841		60.....	8133-423
179447		78.....	8133-423
182842		125.....	8133-423
182843		250.....	8133-423
182844		295.....	8133-423
Main Magnet Coil for Style "DT-10" Time Element Relay.			
	Ref.	Description	
	13	Main Magnet Coil for Style "DT-10" Time Element Relay, ... Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from following table):	

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

(Continuation of Ref. 13)					
Piece		Resistance Per Coil for Low Resistance Winding	Resistance Per Coil for High Resistance Winding	Remarks	Drawing Reference
161822		32.5	67.5	For 6.0 Volt Relay	8133-394
160946		50	125	For 8.0 Volt Relay	8133-394
160948		80	195	For 10.0 Volt Relay	8133-394
160949		125	275	For 12.0 Volt Relay	8133-394
176640		175	450	For 14.0 Volt Relay	8133-394
Pair of Neutralizing Coils for Style "DT-10" Time Element Relay.					
	Ref.	Description			
	14	Pair of Neutralizing Coils for Style "DT-10" Time Element Relay, ... Ohms Resistance Per Pair, Piece Number ... (Select Resistance and Piece Number from table below):			
Piece		Ohms Per Pair		Remarks	Drawing Reference
161275		11		For 6.0 Volt Relay	8133-395
168894		18		For 8.0 Volt Relay	8133-395
168895		28		For 10.0 Volt Relay	8133-395
168896		48		For 12.0 Volt Relay	8133-395
176641		68		For 14.0 Volt Relay	8133-395
Main Magnet Coil for Style "DP-17" Relay.					
	Ref.	Description			
	15	Main Magnet Coil for Style "DP-17" Relay, ... Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from following table):			

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UNION SWITCH & SIGNAL CO.

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

(Continuation of Ref. 15)				
Piece		Resistance Per Coil	Remarks	Drawing Reference
188858		87.5	For 8.0 Volt Energization	8133-365
191121		125	For 10.0 Volt Energization	8133-365
171491		200	For 12.0 Volt Energization	8133-365
Neutralizing Coil for Style "DP-17" Relay.				
	Ref.	Description		
	16	Neutralizing Coil for Style "DP-17" Relay, ... Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from table below):		
Piece		Total Ohms	Remarks	Drawing Reference
188857		75	For 8.0 Volt Energization	8133-409
191147		125	For 10.0 Volt Energization	8133-409
173516		150	For 12.0 Volt Energization	8133-409
Magnet Coil for Styles "DN-18" and "DN-19" Slow Pick-Up, Slow Release Relays.				
	Ref.	Description		
	17	Magnet Coil for Style ... Slow Pick-Up, Slow Release Relay, ... Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from following table):		

UNION SWITCH & SIGNAL CO.

PLATE **E-5025****Coils for D.C. Relays**

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

(Continuation of Ref. 17)				
Piece		Resistance Per Coil	Remarks	Drawing Reference
174007		225	(One Coil Per Relay)	8133-410
173786		350	(One Coil Per Relay)	8133-410
174156		500	(One Coil Per Relay)	8133-410
Magnet Coil for Style "DN-18" Slow Pick-Up, Ordinary Release Relay.				
	Ref.	Description		
	18	Magnet Coil for Style "DN-18" Slow Pick-Up, Ordinary Release Relay, . . Ohms Resistance Per Coil, Piece Number . . . (Select Resistance and Piece Number from table below):		
Piece		Resistance Per Coil	Remarks	Drawing Reference
187708		3.75		8133-441
187681		18		8133-441
187670		45		8133-441
193025		1100		8133-441
190576		1500		8133-441
Main Magnet Coil for Styles "DP-20" and "DP-21" Relays.				
	Ref.	Description		
	19	Main Magnet Coil for Style . . Relay, . . Ohms Resistance Per Coil, Piece Number . . . (Select Resistance and Piece Number from following table):		

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UNION SWITCH & SIGNAL CO.

Coils for D.C. Relays

(Continued)

All Coils are wound with enameled wire. Coils for external mounting are impregnated. Coils for internal mounting are given a special baking varnish treatment.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

(Continuation of Ref. 19)					
Piece		Primary Winding Resistance Per Coil	Secondary Winding Resistance Per Coil	Remarks	Drawing Reference
187549		1	36		8133-426
181676		2	36		8133-426
181485		75	140		8133-426
181639		125	140		8133-426
181641		200	140		8133-426
181444		335	140		8133-426
Auxiliary Magnet Coil for Styles "DP-20" and "DP-21" Relays.					
	Ref.	Description			
	20	Auxiliary Magnet Coil for Style .. Relay, .. Ohms Resistance Per Coil, Piece Number ... (Select Resistance and Piece Number from table below).			
Piece		Resistance Per Coil		Remarks	Drawing Reference
182416		55		Use with 36 Ohms secondary winding on main coil	8133-427
181445		135		Use with 140 Ohms secondary winding on main coil	8133-427

