



### OVERVIEW

Dial® Commercial Series DP contactors are engineered for optimum performance and durability making them the ideal choice for demanding commercial refrigeration, commercial HVAC, and other high-duty applications, requiring up to 250,000 electrical cycles and 1,000,000 mechanical cycles. OEM-grade silver cadmium oxide contacts, thermoset molded bodies, and fully shrouded magnets provide long-lasting, reliable performance, while 100% copper coils and high-conductivity hardware maintain cooler operation and consistent pull-in performance.

### SPECIFICATIONS

ARI 780 / 790

A2L Compliant

-40°C to 60°C Ambient

Universal Fitment

UL Recognized / CSA Certified

### FEATURES

- OEM-Grade Silver Cadmium Oxide Contacts are the most durable contacts available, for long-lasting, reliable performance.
- Thermoset Molded Bodies are stronger than thermoplastic and resist warpage caused by heat generated in maximum current applications.
- Fully Shrouded Magnets help prevent damage from contaminants and insect penetration.
- 100% Copper Coils reduce operating temperatures and ensure consistent pull-in performance.
- High-Conductivity brass and copper hardware maintains cooler operating temperatures.

### 1 / 1.5 POLES – 20-40 AMP

Dial No.	Poles	Coil Voltage	Termination	Body Type	FLA	LRA				RES	Horsepower Rating			
						@240V	@277V	@480V	@600V		1PH @240V	3PH @277V	3PH @480V	3PH @640V
72121	1.5	24	Box Lug	Standard Body	25	150	150	125	100	35	2	5	7.5	15
72122	1.5	120	Box Lug	Standard Body	25	150	150	125	100	35	2	5	7.5	15
72123	1.5	240	Box Lug	Standard Body	25	150	150	125	100	35	2	5	7.5	15
72131	1.5	24	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72132	1.5	120	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72133	1.5	240	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72136	1.5	24	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72137	1.5	120	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72138	1.5	240	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72141	1.5	24	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72142	1.5	120	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72143	1.5	240	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25

### 2 POLES – 20-40 AMP

Dial No.	Poles	Coil Voltage	Termination	Body Type	FLA	LRA				RES	Horsepower Rating			
						@240V	@277V	@480V	@600V		1PH @240V	3PH @277V	3PH @480V	3PH @640V
72221	2	24	Box Lug	Standard Body	25	150	150	125	100	35	2	5	7.5	15
72222	2	120	Box Lug	Standard Body	25	150	150	125	100	35	2	5	7.5	15
72223	2	240	Box Lug	Standard Body	25	150	150	125	100	35	2	5	7.5	15
72231	2	24	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72232	2	120	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72233	2	240	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72236	2	24	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72237	2	120	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72238	2	240	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72281	2	24	Box Lug	Large Body	30	180	180	150	120	40	3	5	10	20
72282	2	120	Box Lug	Large Body	30	180	180	150	120	40	3	5	10	20
72283	2	240	Box Lug	Large Body	30	180	180	150	120	40	3	5	10	20
72241	2	24	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72242	2	120	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72243	2	240	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72291	2	24	Box Lug	Large Body	40	240	240	200	160	50	3	7.5	20	25
72292	2	120	Box Lug	Large Body	40	240	240	200	160	50	3	7.5	20	25
72293	2	240	Box Lug	Large Body	40	240	240	200	160	50	3	7.5	20	25

### 3 POLES – 20-40 AMP

Dial No.	Poles	Coil Voltage	Termination	Body Type	FLA	LRA				RES	Horsepower Rating			
						@240V	@277V	@480V	@600V		1PH @240V	3PH @277V	3PH @480V	3PH @640V
72331	3	24	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72332	3	120	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72333	3	240	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72336	3	24	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72337	3	120	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72338	3	240	Screw Type	Standard Body	30	180	180	150	120	40	3	5	10	20
72341	3	24	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72342	3	120	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72343	3	240	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25

### 4 POLES – 20-40 AMP

Dial No.	Poles	Coil Voltage	Termination	Body Type	FLA	LRA				RES	Horsepower Rating			
						@240V	@277V	@480V	@600V		1PH @240V	3PH @277V	3PH @480V	3PH @640V
72431	4	24	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72432	4	120	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72433	4	240	Box Lug	Standard Body	30	180	180	150	120	40	3	5	10	20
72441	4	24	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72442	4	120	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25
72443	4	240	Box Lug	Standard Body	40	240	240	200	160	50	3	7.5	20	25

### 3 POLES – 50-60 AMP

Dial No.	Poles	Coil Voltage	Termination	Body Type	FLA	LRA				RES	Horsepower Rating		
						@240V	@277V	@480V	@600V		3PH @277V	3PH @480V	3PH @640V
72351	3	24	Box Lug	Standard Body	50	300	300	250	200	65	7.5	25	25
72352	3	120	Box Lug	Standard Body	50	300	300	250	200	65	7.5	25	25
72353	3	240	Box Lug	Standard Body	50	300	300	250	200	65	7.5	25	25
72361	3	24	Box Lug	Standard Body	60	360	360	250	240	75	15	30	30
72362	3	120	Box Lug	Standard Body	60	360	360	250	240	75	15	30	30
72363	3	240	Box Lug	Standard Body	60	360	360	250	240	75	15	30	30

### 3 POLES – 75-90 AMP

Dial No.	Poles	Coil Voltage	Termination	Body Type	FLA	LRA				RES	Horsepower Rating		
						@240V	@277V	@480V	@600V		3PH @277V	3PH @480V	3PH @640V
72371	3	24	Box Lug	Standard Body	75	450	450	375	300	90	15	40	50
72372	3	120	Box Lug	Standard Body	75	450	450	375	300	90	15	40	50
72373	3	240	Box Lug	Standard Body	75	450	450	375	300	90	15	40	50
72391	3	24	Box Lug	Standard Body	90	540	540	375	360	120	20	50	60
72392	3	120	Box Lug	Standard Body	90	540	540	375	360	120	20	50	60
72393	3	240	Box Lug	Standard Body	90	540	540	375	360	120	20	50	60