

		D20N1N	D25N1N	D30N1N	D40N1N	D20N2	D25N2	D30N2	D40N2
KEY SPECIFICATIONS									
		UNITS							
No. of Power Poles		1.5				2			
Full Load Amps (FLA)									
240/277V AC	A	20	25	30	40	20	25	30	40
480V AC	A	20	25	30	40	20	25	30	40
600V AC	A	20	25	30	40	20	25	30	40
Resistive Load Amps	A	30	35	40	50	30	35	40	50
Locked Rotor Amps									
240/277V AC	A	120	150	180	240	120	150	180	240
480V AC	A	100	125	150	200	100	125	150	200
600V AC	A	80	100	120	160	80	100	120	160
Power Pole Wire Terminals (for all line and load terminals)		Phillips/Slotted/Socket Screw			Box Lug with Hex Drive Box Lug Screws	Phillips/Slotted/Socket Screw			Box Lug with Hex Drive Box Lug Screws
Quick Connects per Terminal									
Coil Terminals (+/-)	Blades					2/2			
Power Poles	Blades					4			

		D50N2	D60N2	D75N2	D90N2	D20N3	D25N3	D30N3	D40N3
KEY SPECIFICATIONS									
		UNITS							
No. of Power Poles		2				3*			
Full Load Amps (FLA)									
240/277V AC	A	50	60	75	90	20	25	30	40
480V AC	A	50	60	75	90	20	25	30	40
600V AC	A	50	60	75	90	20	25	30	40
Resistive Load Amps	A	65	75	90	120	30	35	40	50
Locked Rotor Amps									
240/277V AC	A	300	360	450	540	120	150	180	240
480V AC	A	250	300	375	450	100	125	150	200
600V AC	A	200	240	300	360	80	100	120	160
Power Pole Wire Terminals (for all line and load terminals)		Box Lug with Hex Drive Box Lug Screws		Box Lug with Slotted Drive Box Lug Screws		Phillips/Slotted/Socket Screw			Box Lug with Hex Drive Box Lug Screws
Quick Connects per Terminal									
Coil Terminals (+/-)	Blades					2/2			
Power Poles	Blades					2			

*3+3 Poles for Series 290 Reversing Contactors

		D50N3	D60N3	D75N3	D90N3
KEY SPECIFICATIONS					
		UNITS			
No. of Power Poles		3			
Full Load Amps (FLA)					
240/277V AC	A	50	60	75	90
480V AC	A	50	60	75	90
600V AC	A	50	60	75	90
Resistive Load Amps	A	65	75	90	120
Locked Rotor Amps					
240/277V AC	A	300	360	450	540
480V AC	A	250	300	375	450
600V AC	A	200	240	300	360
Power Pole Wire Terminals (for all line and load terminals)		Box Lug with Hex Drive Box Lug Screws		Box Lug with Slotted Drive Box Lug Screws	
Quick Connects per Terminal					
Coil Terminals (+/-)	Blades	2/2			
Power Poles	Blades	2			

1 & 2-POLES, UP TO 40 FLA

		1-POLE CONTACTORS				2-POLE CONTACTORS			
COIL CHARACTERISTICS									
	UNITS								
Nominal Coil Voltage	V	24	120	208/240	277	24	120	208/240	277
Maximum Pickup Voltage	V	18	88	177	221	18	88	177	221
Drop-Out Voltage Range	V	6~15	20~70	40~140	50~165	6~15	20~70	40~140	50~165
NOMINAL INRUSH									
VA @ 50Hz		31	31	35	31	22	22	22	22
VA @ 60Hz		28	28	32	28	20	20	20	20
NOMINAL SEALED									
VA @ 50Hz		6	6	7	6	5.5	5.5	5.5	5.5
VA @ 60Hz		5	5	6	5	4.5	4.5	4.5	4.5
Nominal Resistance	Ohms	18	420	1800	2500	11	237	1000	1600
Maximum Coil Voltage	V	30	132	264	300	30	132	264	300
OTHER CHARACTERISTICS		20-30 FLA				40 FLA			
Line & Load Terminals		#10-32 Screw				Box Lug			
Wire Size (Min.-Max.)	AWG	16-8*				14-4 Cu/Al			
Tightening Torque (Recommended)	Lb-in.	25				40			
Insulation System	°C	130 (Class B)							
Permissible Ambient Temperature	°C	-40 to 65							
Altitude	m	2000							
Ingress Protection	IP	20							
ROHS COMPLIANCE		For RoHS compliance documentation by product, refer to www.c3controls.com							
*Stranding must be split for #8 wire									

3-POLES, UP TO 40 FLA

COIL CHARACTERISTICS					
	UNITS				
Nominal Coil Voltage	V	24	120	208/240	277
Maximum Pickup Voltage	V	18	88	177	220
Drop-Out Voltage Range	V	6~15	20~70	40~140	65~185
NOMINAL INRUSH					
VA @ 50Hz		65	65	65	65
VA @ 60Hz		60	60	60	60
NOMINAL SEALED					
VA @ 50Hz		7.5	7.5	7.5	7.5
VA @ 60Hz		6	6	6	6
Nominal Resistance	Ohms	7	180	720	900
Maximum Coil Voltage	V	30	132	264	300
OTHER CHARACTERISTICS		20-30 FLA		40 FLA	
Line & Load Terminals		#10-32 Screw		Box Lug	
Wire Size (Min.-Max.)	AWG	16-8*		14-4 Cu/Al	
Tightening Torque (Recommended)	Lb-in.	25		40	
Insulation System	°C	130 (Class B)			
Permissible Ambient Temperature	°C	-40 to 65			
Altitude	m	2000			
Ingress Protection	IP	20			
ROHS COMPLIANCE		For RoHS compliance documentation by product, refer to www.c3controls.com			
*Stranding must be split for #8 wire					

2 & 3-POLES, UP TO 60 FLA

COIL CHARACTERISTICS					
	UNITS				
Nominal Coil Voltage	V	24	120	208/240	277
Maximum Pickup Voltage	V	18	93	177	235
Drop-Out Voltage Range	V	6~15	20~70	40~135	50~180
NOMINAL INRUSH					
VA @ 50Hz		140	140	140	140
VA @ 60Hz		132	132	132	132
NOMINAL SEALED					
VA @ 50Hz		20	20	20	20
VA @ 60Hz		14	14	14	14
Nominal Resistance	Ohms	2.3	53	180	280
Maximum Coil Voltage	V	30	132	264	300
OTHER CHARACTERISTICS		50 FLA & 60 FLA			
Line & Load Terminals		Box Lug			
Wire Size (Min.-Max.)	AWG	14-2 Cu/Al			
Tightening Torque (Recommended)	Lb-in.	50			
Insulation System	°C	130 (Class B)			
Permissible Ambient Temperature	°C	-40 to 65			
Altitude	m	2000			
Ingress Protection	IP	20			
ROHS COMPLIANCE		For RoHS compliance documentation by product, refer to www.c3controls.com			

2 & 3-POLES, UP TO 90 FLA

COIL CHARACTERISTICS					
	UNITS				
Nominal Coil Voltage	V	24	120	208/240	277
Maximum Pickup Voltage	V	18	88	177	220
Drop-Out Voltage Range	V	6~15	20~70	40~110	65~185
NOMINAL INRUSH					
VA @ 50Hz		285	285	285	285
VA @ 60Hz		240	240	240	240
NOMINAL SEALED					
VA @ 50Hz		42	42	42	42
VA @ 60Hz		27	27	27	27
Nominal Resistance	Ohms	0.85	15.6	63.5	85
Maximum Coil Voltage	V	30	132	264	300
OTHER CHARACTERISTICS		75 FLA & 90 FLA			
Line & Load Terminals		Box Lug			
Wire Size (Min.-Max.)	AWG	14-1 Cu/Al			
Tightening Torque (Recommended)	Lb-in.	50			
Insulation System	°C	130 (Class B)			
Permissible Ambient Temperature	°C	-40 to 65			
Altitude	m	2000			
Ingress Protection	IP	20			
ROHS COMPLIANCE		For RoHS compliance documentation by product, refer to www.c3controls.com			