

# Definite Purpose Controls Full Voltage Contactors

## Section 4

### CR353

Standard  
Three Phase  
2-pole and 3-pole  
50A - 150A



CR353 Contactor

#### Standard Forms

Standard CR353 contactors in the 50-120FLA ratings are supplied with box lug terminals. Power poles in the 50-90FLA size are supplied with two 1/4" quick connect terminals. Contactors in the 120-150FLA size include control power accessory screws on L1 and L2. Coils are provided with screw connections with a single 1/4" quick connect terminal on the 50 and 60 amp size and two 1/4" quick connect terminals on the 75 and 90 amp size.

For configurations not found below see page 4-9 for Factory Modified Forms.

#### CR353 Standard (2-pole and 3-pole)

Inductive Amps	Resistive Amps	Locked Rotor Amps, 50/60 Hz @ 240V	Locked Rotor Amps, 50/60 Hz @ 480V	Locked Rotor Amps, 50/60 Hz @ 600V	No. of Poles	Product Number
50	62	300	250	200	2	CR353FE2B*1
50	62	300	250	200	3	CR353FE3B*1
60	75	360	300	240	2	CR353FF2B*1
60	75	360	300	240	3	CR353FF3B*1
75	90	450	375	300	2	CR353EG2B*1
75	90	450	375	300	3	CR353EG3B*1
90	90	540	450	360	2	CR353EH2B*1
90	90	540	450	360	3	CR353EH3B*1
120	120	720	600	480	2	CR353GJ2A*1
120	120	720	600	480	3	CR353GJ3A*1
150	150	900	750	600	2	CR353GK2A*1
150	150	900	750	600	3	CR353GK3A*1

(Replace \* in product number with appropriate coil digit.)

#### Coil Selection

##### CR353F, E, G Coil Selection

AC Coils

CR353F, E Coil Voltage		CR353G Coil Voltage		Product No. Digit
60 Hz	50 Hz	60 Hz	50 Hz	
24	24	—	—	H
110-120	110-120	115-120	110	A
208-240	208-240	230-240	220	B
277	—	277	—	F
460-480	440	460-480	440	C
575-600	550	575-600	550	D

DC Coils

CR353F Coil Voltage	CR353E Coil Voltage	Product No. Digit
12	12	P
24-28	24-28	R
110-125	110-125	S
—	48	T



# Definite Purpose Controls Full Voltage Contactors

## Section 4

### CR353

Standard

Three Phase

2-pole and 3-pole

Factory Modified Forms

50A-150A

#### Factory Installed Modifications

#### CR353 Definite Purpose Contactors, 50A-90A, 2-pole & 3-pole

Select contactor from the main table and complete the product number by inserting the digits corresponding to required and optional specifications from the tables below. Note: minimum order quantities apply to all factory modified forms. Contact factory for details.

Full Load Amps	Resistive Amps Per Pole	Locked Rotor Amps, Three Phase, 50/60 Hz				Product Number (Complete by adding digits from tables below <sup>1</sup> )																	
		240V	480V	600V	Poles	Required Digits										Options							
						1	2	3	4	5	6	7	8	9	10	11	12	13					
50	62	300	250	200	2	C	R	3	5	3	F	E	2										
50	62	300	250	200	3	C	R	3	5	3	F	E	3										
60	75	360	300	240	2	C	R	3	5	3	F	F	2										
60	75	360	300	240	3	C	R	3	5	3	F	F	3										
75	90	450	375	300	2	C	R	3	5	3	E	G	2										
75	90	450	375	300	3	C	R	3	5	3	E	G	3										
90	90	540	450	360	2	C	R	3	5	3	E	H	2										
90	90	540	450	360	3	C	R	3	5	3	E	H	3										

<sup>1</sup>If no options are required, product number is complete after 10 digits.

#### Digit 9 Line and Load Terminals

Product No. Digit 9	Terminal Type
A	Screw w/Quick Connect
B	Box Lug w/Quick Connect (standard)
C	Screw
D	Lug

#### Digit 10 Coil Selection

AC Coils

Coil Voltage		Product No. Digit 10
60 Hz	50 Hz	
24	24	H
110-120	110-120	A
208-240	208-240	B
277	—	F
460-480	440	C
575-600	550	D

DC Coils

CR353F Coil Voltage	CR353E Coil Voltage	Product No. Digit 10
—	12	P
24-28	24-28	R
—	115	S
—	48	T

#### Factory Installed Modifications

#### CR353 Definite Purpose Contactors, 120A-150A, 2-pole and 3-pole

Select contactor from the main table and complete the product number by inserting the digits corresponding to required and optional specifications from the tables below. Note: minimum order quantities apply to all factory modified forms. Contact factory for details.

Full Load Amps	Resistive Amps Per Pole	Locked Rotor Amps, Three Phase, 50/60 Hz				Product Number (Complete by adding digits from tables below <sup>1</sup> )																	
		240V	480V	600V	Poles	Required Digits										Options							
						1	2	3	4	5	6	7	8	9	10	11	12	13					
120	120	720	600	480	2	C	R	3	5	3	G	J	2	A	1								
120	120	720	600	480	3	C	R	3	5	3	G	J	3	A	1								
150	150	900	750	600	2	C	R	3	5	3	G	K	2	A	1								
150	150	900	750	600	3	C	R	3	5	3	G	K	3	A	1								

<sup>1</sup>If no options are required, product number is complete after 11 digits.

#### Digit 10 Coil Selection

Coil Voltage		Product No. Digit 10
60 Hz	50 Hz	
115-120	110	A
230-240	220	B
277	—	F
460-480	440	C
575-600	550	D

#### Digit 11 Terminal Markings

Product No. Digit 11	Terminal Markings
0	No terminal markings <sup>2</sup>
1	Line (L) at top, Load (T) at bottom (Standard)
2	Load (T) at top, Line (L) at bottom (Inverted)

<sup>2</sup>If this will be the final digit(s) in your selection, omit from product number.

#### Digit 12 Auxiliary Contacts

Product No. Digit 12	Auxiliary Contacts
A	None (standard) <sup>2</sup>
B	10FLA, 250Vac SPDT on left side
C	10FLA, 250Vac, SPDT left & right
D	10FLA, 600Vac, 1NO-1NC on left side <sup>3</sup>

<sup>3</sup>Not available on CR353F.

#### Digit 13 Nameplate Markings

Product No. Digit 13	Specials
Blank	None (standard)
Request from Factory	(Custom) <sup>4</sup>

<sup>4</sup>For special nameplate markings, contact factory.

#### Digit 12 Auxiliary Contacts

Product No. Digit 12	Auxiliary Contacts
A	None <sup>2</sup>
B	10FLA, 600Vac, 1NO on left side
C	10FLA, 600Vac, 1NC on left side
D	10FLA, 600Vac, 1NO-1NC on left side

<sup>2</sup>If this will be the final digit in your selection, omit from product number.

#### Digit 13 Nameplate Marking

Product No. Digit 13	Specials
Blank	None (standard)
Request from Factory	(Custom) <sup>4</sup>

<sup>4</sup>For special nameplate markings, contact factory.

