

GE
Industrial Solutions

Definite Purpose Contactors

25-40 FLA Standard





Overview

GE's full complement of definite purpose contactors (20A-150A) are utilized in a variety of industrial electric equipment. These include heating, ventilating, air conditioning, refrigeration, food processing and agricultural, in addition to numerous other applications. The new feature rich 25-40A, 3-pole version has the great performance you have come to expect from GE. All definite purpose components by GE meet industry standards including ARI780, UL, CSA and CE.

Features

- 25A, 30A, 40A FLA rated, 2, 3 & 4 Poles
- Optimal performance with double E magnet assembly
- Visual on/off status indication
- Variety of terminal choices allows diverse applications
- Universal mounting plates and DIN-rail options make change outs simple
- Snap-on accessories make modifications quick and easy
- Starters are available with Class 10 and Class 20 overloads
- Two-speed controllers incorporate a compact, integrated interlock

Ordering Information - DP Contactor



Select options in 7 through 11 for Standard Configurations

7	Ampere Rating
B	25A
C	30A
D	40A

8	Number of Poles
2	2 Poles
3	3 Poles
4	4 Poles

9	Contactors Coil Voltage
A	110-120V 60Hz
	110V 50Hz
B	208-240V 60Hz
	220V 50Hz
C	440-480V 60Hz
	380-415V 50Hz
D	575-600V 60Hz
	550V 50Hz
E	12V 50/60 Hz
F	277V 60Hz
H	24V 50/60Hz

10	Line Terminal
A	Binding Screw w/QC
B	Lug w/ Slotted Screw w/QC
C	Binding Screw
D	Lug with Slotted Screw
L	Sems Clamp w/QC ¹
M	Sems Clamp ¹
N	Lug w/ Hex Head Screw
P	Lug w/ Hex Head Screw w/QC

11	Load Terminal ²
A	Binding Screw w/QC
B	Lug w/ Slotted Screw w/QC
C	Binding Screw
D	Lug with Slotted Screw
L	Sems Clamp w/QC ¹
M	Sems Clamp ¹
N	Lug w/ Hex Head Screw
P	Lug w/ Hex Head Screw w/QC

¹Not available in 40 FLA

²To mount overload relay on contactor load terminal:
 - Select option "M", Sems Clamp for 25/30amp
 - Select option "D", Lug with Slotted Screw for 40amp

Add Options 12 through 16 for Customized Configurations

12	Auxiliary Contacts	Left	Right	Front
A	-	-	-	-
B	250 V	1 SPDT	-	-
C	250 V	-	1 SPDT	-
D	250 V	2 SPDT	-	-
E	250 V	-	2 SPDT	-
F	250 V	1 SPDT	1 SPDT	-
G	250 V	2 SPDT	2 SPDT	-
H	600 V	1 NO-NC	-	-
J	600 V	-	1 NO-NC	-
K	600 V	1 NO-NC	1 NO-NC	-
L	600 V	2 NO	-	-
M	600 V	-	2 NO	-
N	600 V	2 NO	2 NO	-
P	600 V	1 NO-NC	2 NO	-
Q	600 V	2 NO	1 NO-NC	-
R	600 V	-	-	1 NO
S	600 V	-	-	1 NC
T	600 V	-	-	1 NO-NC

13	Modification
0	None
1	Coil Rotated with Coil Terminals Down
3	DIN Rail Mounting Provision
4	Coil Rotated with Coil Terminals Down and DIN Rail Mounting Provision
5	Dummy Quick Connect Tabs on Coil
6	Coil Rotated with Coil Terminals Down and Dummy Quick Connect Tabs on Coil
8	Dummy Quick Connect Tabs on Coil and DIN Rail Mounting Provision
9	Coil Rotated with Coil Terminals Down and DIN Rail Mounting Provision and Dummy Quick Connect Tabs on Coil

14	Terminal Marking
A	Standard Terminal Marking
B	Inverse Terminal Marking
C	Reverse Terminal Marking
D	Without Terminal Marking

15	Special Marking
A	None
*	Customer Specific options assigned by Factory

16	Packaging
A	Single Pack
P	Bulk Pack - Minimum order quantity 96 pieces with multiples of 8 pieces

Ordering Bulk Packs? Just add A0AAP to the Standard Product Number.

Complete Product Numbers:

11 digits for Standard

16 digits for Customized

Omit digit 12 through 16, if the selection is "A0AAA"

DP Contactors Standard Product Numbers

FLA Amps	Coil Voltage	Terminals	Product No. 2 Pole	Product No. 3 Pole	Product No. 4 Pole
25A	24VAC	Binding Screw with QC	CR553AB2HAA	CR553AB3HAA	CR553AB4HAA
		Lug w/Slotted Screw w/QC	CR553AB2HBB	CR553AB3HBB	CR553AB4HBB
	110-120VAC	Binding Screw with QC	CR553AB2AAA	CR553AB3AAA	CR553AB4AAA
		Lug w/Slotted Screw w/QC	CR553AB2ABB	CR553AB3ABB	CR553AB4ABB
	208 - 240V	Binding Screw with QC	CR553AB2BAA	CR553AB3BAA	CR553AB4BAA
		Lug w/Slotted Screw w/QC	CR553AB2BBB	CR553AB3BBB	CR553AB4BBB
	277V	Binding Screw with QC	CR553AB2FAA	CR553AB3FAA	CR553AB4FAA
		Lug w/Slotted Screw w/QC	CR553AB2FBB	CR553AB3FBB	CR553AB4FBB

FLA Amps	Coil Voltage	Terminals	Product No. 2 Pole	Product No. 3 Pole	Product No. 4 Pole
30A	24VAC	Binding Screw with QC	CR553AC2HAA	CR553AC3HAA	CR553AC4HAA
		Lug w/Slotted Screw w/QC	CR553AC2HBB	CR553AC3HBB	CR553AC4HBB
	110-120VAC	Binding Screw with QC	CR553AC2AAA	CR553AC3AAA	CR553AC4AAA
		Lug w/Slotted Screw w/QC	CR553AC2ABB	CR553AC3ABB	CR553AC4ABB
	208 - 240V	Binding Screw with QC	CR553AC2BAA	CR553AC3BAA	CR553AC4BAA
		Lug w/Slotted Screw w/QC	CR553AC2BBB	CR553AC3BBB	CR553AC4BBB
	277V	Binding Screw with QC	CR553AC2FAA	CR553AC3FAA	CR553AC4FAA
		Lug w/Slotted Screw w/QC	CR553AC2FBB	CR553AC3FBB	CR553AC4FBB

FLA Amps	Coil Voltage	Terminals	Product No. 2 Pole	Product No. 3 Pole	Product No. 4 Pole
40A	24VAC	Binding Screw with QC	CR553AD2HAA	CR553AD3HAA	CR553AD4HAA
		Lug w/Slotted Screw w/QC	CR553AD2HBB	CR553AD3HBB	CR553AD4HBB
	110-120VAC	Binding Screw with QC	CR553AD2AAA	CR553AD3AAA	CR553AD4AAA
		Lug w/Slotted Screw w/QC	CR553AD2ABB	CR553AD3ABB	CR553AD4ABB
	208 - 240V	Binding Screw with QC	CR553AD2BAA	CR553AD3BAA	CR553AD4BAA
		Lug w/Slotted Screw w/QC	CR553AD2BBB	CR553AD3BBB	CR553AD4BBB
	277V	Binding Screw with QC	CR553AD2FAA	CR553AD3FAA	CR553AD4FAA
		Lug w/Slotted Screw w/QC	CR553AD2FBB	CR553AD3FBB	CR553AD4FBB



25A



30A




40A

Technical Data

- Ambient Operating Temperature: -25° C to 40° C
- Power Terminal
 - Pressure Type: 16-8 AWG, Torque: 20 in-lbs
 - Lug Type: 14-4 AWG, Torque: 40 in-lbs
- Coil Terminal
 - Pressure Type: 18-12 AWG, Torque: 10 in-lbs
- #6-32 Screws and Double 0.250 Quick Connect Terminals
- Coil is rated Class B (130° C) Insulation System

Standards and Listings

- UL60947-4-1a, UL File E1811 
- RoHS / REACH certified



25A with Overload Relay

Contact Data

FLA, A	Resistive amp per pole	Voltage, V	LRA, A	Single Phase (hp)	Three Phase (hp)
25	35	120	150	2	-
		240	150	3	7.5
		480	125	-	10
		600	100	-	10
30	40	120	180	2	-
		240	180	5	10
		480	150	-	15
		600	120	-	15
40	50	120	240	3	-
		240	240	7.5	10
		480	200	-	20
		600	160	-	20

Coil Data

Nominal Coil voltage VAC	Frequency	FLA	Poles	12	24	110-120	208-240	277	440-480	550-600
Maximum pickup voltage	60Hz	25 / 30 / 40A	2, 3 & 4	9.6	18	88	177	220	352	440
Drop-out voltage range		25 / 30 / 40A	2, 3 & 4	4.2	6 - 15	20 - 70	50 - 165	65 - 185	150 - 270	192 - 336
Nominal inrush VA	60Hz	25 / 30 A	2, 3	44	44	44	44	44	44	44
		40 A	3	100	100	100	100	100	100	100
		25 / 30 / 40A	4	100	100	100	100	100	100	100
	50Hz	25 / 30 A	2, 3	53	53	53	53	-	53	53
		40 A	3	120	120	120	120	-	120	120
		25 / 30 / 40A	4	120	120	120	120	-	120	120
Nominal sealed VA	60Hz	25 / 30 A	2, 3	5.6	5.6	5.6	5.6	5.6	5.6	5.6
		40 A	3	9.5	9.5	9.5	9.5	9.5	9.5	9.5
		25 / 30 / 40A	4	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	50Hz	25 / 30 A	2, 3	6.8	6.8	6.8	6.8	-	6.8	6.8
		40 A	3	11.4	11.4	11.4	11.4	-	11.4	11.4
		25 / 30 / 40A	4	11.4	11.4	11.4	11.4	-	11.4	11.4

Accessories - Overload¹

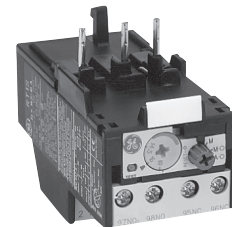
Class 10 - Overload

Current Range	Maximum Fuse	Maximum Circuit Breaker Rating Amps	Product Number
0.16-0.26	1	15	RT1B
0.25-0.41	1	15	RT1C
0.4-0.65	3	15	RT1D
0.65-1.1	6	15	RT1F
1-1.5	6	15	RT1G
1.3-1.9	6	15	RT1H
1.8-2.7	10	15	RT1J
2.5-4.1	15	15	RT1K
4-6.3	20	15	RT1L
5.5-8.5	25	15	RT1M
8.0-12.0	40	30	RT1N
10.0-16.0	50	35	RT1P
14.5-18	60	40	RT1S
17.5-22	70	50	RT1T
21-26	80	60	RT1U
25-32	100	80	RT1V
30-40	100	80	RT1W

¹Factory assembled DP starters (CR554 series) are available. Please refer to the Control catalog, GEP-1260 for more information.

Class 20 - Overload

Current Range	Maximum Fuse	Maximum Circuit Breaker Rating Amps	Product Number
2.5-4.1	15	15	RT12K
4-6.3	20	15	RT12L
5.5-8.5	25	15	RT12M
8.0-12.0	40	30	RT12N
10.0-16.0	50	35	RT12P
14.5-18	60	40	RT12S
17.5-22	70	50	RT12T
21-26	80	60	RT12U
25-32	100	80	RT12V
30-40	100	80	RT12W



Overload Relay

Accessories – Auxiliary Contact Kits

Type	Mounting	Circuit	Product Number	Rating
250 VAC Auxiliary Contact	Side	1 SPDT	CR553XC211	11 A, 1/3 HP at 250 VAC; 1/2 A at 125 VDC; 1/4 A at 250 VDC
	Side	2 SPDT	CR553XC222	
600 VAC Auxiliary Contact	Front	1 NO	BCLF10	A600, Q600 Pilot Duty
	Front	1 NC	BCLF01	
	Side	1 NO, 1 NC	BCLL11	
	Side	2 NO	BCLL20	
Mechanical Interlock ²	-	2 NC	BEL02 includes 2 built-in NC contacts	A600, Q600 Pilot Duty

²Factory assembled DP 2-speed contactors (CR555 series) are available. Please refer to the Control catalog, GEP-1260 for more information.

Spare Coils

Coil Voltage	Product Number	
	2/3 Pole 25-30FLA	2/3 Pole 40FLA 4 Pole 25-40FLA
110-120V 50/60Hz	CRDB1AA	CRDB3AA
208-240V 50/60Hz	CRDB1AB	CRDB3AB
440-480V 60Hz	CRDB1AC	CRDB3AC
380-415V 50Hz		
550-600V 50/60Hz	CRDB1AD	CRDB3AD
12V 50/60Hz	CRDB1AE	CRDB3AE
277V 60Hz	CRDB1AF	CRDB3AF
24V 50/60Hz	CRDB1AH	CRDB3AH

Enclosure Kits NEMA Type 1

Contactor Prefix	Device	Rating	Product Number
CR553A	DP Contactors	25A-40A, 2-4 Pole	CR553XE1A
CR554A	DP Starters	25A-30A	CR553XE1A
CR554A	DP Starters	40A	CR553XE1B



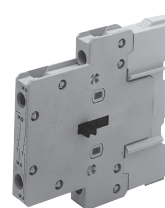
250V Auxiliary Contact Kits



Side-Mount 600V Auxiliary Contact Block



Front-Mount 600V Auxiliary Contact Block



Mechanical Interlock

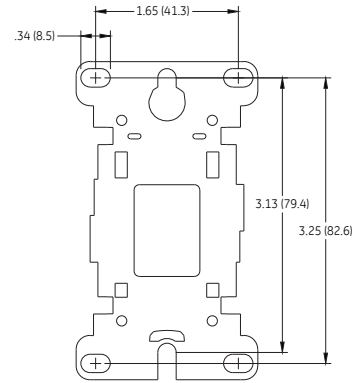
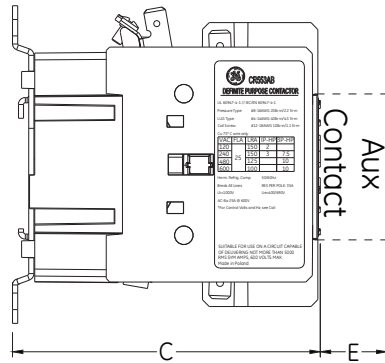
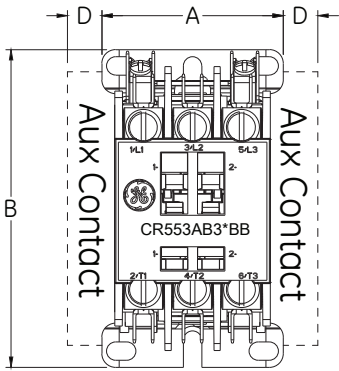


Enclosure Kit

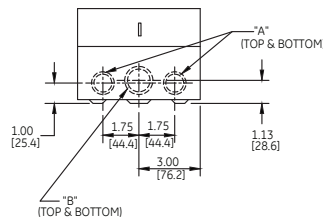
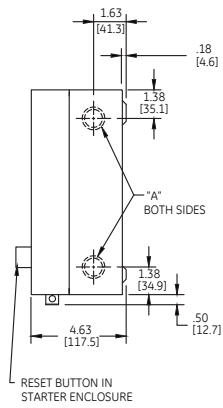
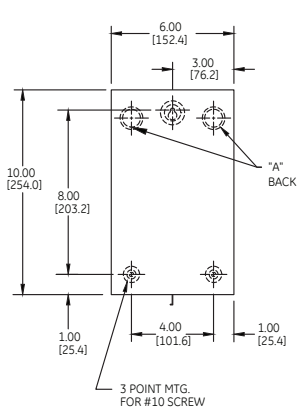
Outline Drawings

Approximate Dimensions in (mm)

Mounting Dimensions

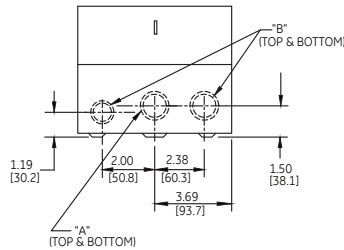
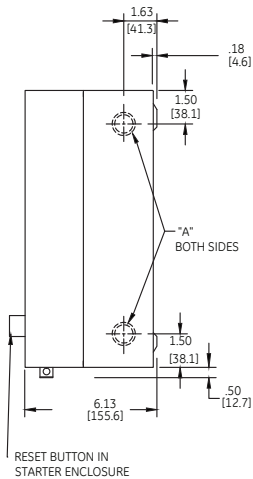
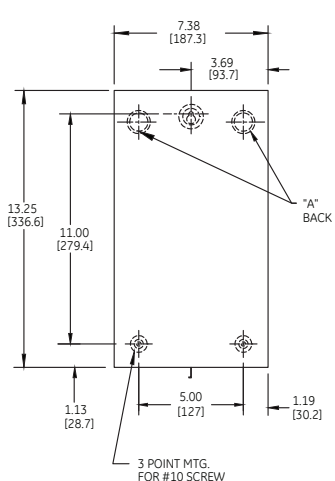


Amp	Poles	A	B	C	D		E
					250V	600V	
25, 30Amp	2, 3	2.07 (53)	3.75 (96)	3.50 (89)	0.55 (14)	0.28 (7)	1.1 (28)
40 Amp	2, 3	2.24 (57)	3.75 (96)	4.02 (102)	0.71 (18)	0.43 (11)	1.1 (28)
25 / 30 / 40Amp	4	2.24 (57)	4.00 (101)	4.02 (102)	0.71 (18)	0.43 (11)	1.1 (28)



"A" Combination Knockouts For 1/2 OR 3/4-inch Conduit
 "B" Combination Knockouts For 3/4 or 1-Inch Conduit

Enclosure CR553XE1A



"A" Combination Knockouts For 1/2 OR 3/4-inch Conduit
 "B" Combination Knockouts For 3/4 or 1-Inch Conduit

Enclosure CR553XE1B

Refer to Control Catalog GEP-1260 for detailed DP contactors, assembled DP starters, 2-speed contactor versions.

Visit our Definite Purpose Contactor information page at
www.geindustrial.com/products/contactors/definite-purpose-contactors



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