

## Definite Purpose Magnetic Contactors

### Rotom Definite Purpose Magnetic Contactors

Contactors are designed to establish or interrupt a power circuit. Definite purpose contactors unlike general purpose contactors are non-rebuildable electronic controls designed for specific application with clearly defined operating conditions.

### FEATURES:

- Compact size.
- Quieter than traditional designs.
- Far more efficient operation.
- Universal electrical connections.
- Quick connect terminals.
- Universal galvanized mounting plates.
- Protective Dust arc cover
- Snap on auxiliary contacts.
- Individually packaged.
- Easy to understand part numbers.
- Complete cross reference.
- UL, CE & cUL approved.
- Price competitive.

### Typical Applications

- Heating
- Ventilation
- Air Conditioning
- Refrigeration
  - Compressors
  - Motors
- Agriculture
- Pool & Spa Controls
- Food Service Equipment
- Welding Equipment
- Business Machines

### Contactor Nomenclature

**HC - 1 30 24**  
**HC** = Product Code  
**1** = Poles (1, 2, 3 or 4)  
**30** = Full Load Amps. (30A, 40A...)  
**24** = Coil Voltage (24, 120 or 240)

### Contactor Terminal Types

- **30 Amp.** = #10-32 Combination Screw Terminals
  - **40, 50 & 60 Amp.** = # 14-4 Compression Lug Terminals with 1/4"-20 Screws
- Custom Terminal Type Models Available Upon Request!*



**HC-13024**  
1 Pole Contactor With Shunt Illustrated

### One Pole Contactors

- One pole contactor with shunt
- UL cUL CE Approved
- 4 - 1/4" Brass Spade Terminals Per Power Connection
- #10-32 Combination Screw Terminals
- 50/ 60 Hz

Part #	Full Load Amps.	Coil Voltage 50/60	Resistive Amps.	Locked Rotor Amps.@240V	Height	Width	Depth
<b>HC-13024</b>	30	24	40	180	2.38"	2.00"	3.29"
<b>HC-130120</b>	30	120	40	180	2.38"	2.00"	3.29"
<b>HC-130240</b>	30	208/240	40	180	2.38"	2.00"	3.29"



**HC-23024**  
2 Pole Contactor Illustrated

### Two Pole Contactors

- UL cUL CE Approved
- 30 Amp.= 4 - 1/4" Brass Spade Terminals Per Power Connection
- 40 Amp.= 4 - 1/4" Copper Spade Terminals Per Power Connection
- 50/ 60 Hz
- Dust/Arc Cover Over Contacts (40 Amp Models & Up)

Part #	Full Load Amps.	Coil Voltage 50/60	Resistive Amps.	Locked Rotor Amps.@240V	Height	Width	Depth
<b>HC-23024</b>	30	24	40	180	2.45"	2.06"	3.32"
<b>HC-230120</b>	30	120	40	180	2.45"	2.06"	3.32"
<b>HC-230240</b>	30	208/240	40	180	2.45"	2.06"	3.32"
<b>HC-24024</b>	40	24	50	240	2.63"	2.06"	3.32"
<b>HC-240120</b>	40	120	50	240	2.63"	2.06"	3.32"
<b>HC-240240</b>	40	208/240	50	240	2.63"	2.06"	3.32"

## Definite Purpose Magnetic Contactors



**HC-33024**  
3 Pole Contactor Illustrated

### Three Pole Contactors

- UL, CSA, (CE 30 - 60 Amp)
- 30 Amp.= 2 - 1/4" Brass Spade Terminals Per Power Connection
- 40 Amp.= 2 - 1/4" Copper Spade Terminals Per Power Connection
- 50 - 90 Amp.= 2 - 1/4" Copper Spade Terminals & Aluminum Lug Per Power Connection
- 50/ 60 Hz
- Contact Cover Over Contacts (30 - 40 Amp Feature Built-In Test Button)

Part #	Full Load Amps.	Coil Voltage 50/60	Resistive Amps.	Locked Rotor Amps.@240V	Height	Width	Depth
<b>HC-33024</b>	30	24	40	180	2.99"	2.37"	3.75"
<b>HC-330120</b>	30	120	40	180	2.99"	2.37"	3.75"
<b>HC-330240</b>	30	208/240	40	180	2.99"	2.37"	3.75"
<b>HC-34024</b>	40	24	50	240	2.99"	2.37"	3.75"
<b>HC-340120</b>	40	120	50	240	2.99"	2.37"	3.75"
<b>HC-340240</b>	40	208/240	50	240	2.99"	2.37"	3.75"
<b>HC-35024</b>	50	24	65	300	3.62"	2.75"	4.00"
<b>HC-350120</b>	50	120	65	300	3.62"	2.75"	4.00"
<b>HC-350240</b>	50	208/240	65	300	3.62"	2.75"	4.00"
<b>HC-36024</b>	60	24	75	360	3.62"	2.75"	4.00"
<b>HC-360120</b>	60	120	75	360	3.62"	2.75"	4.00"
<b>HC-360240</b>	60	208/240	75	360	3.62"	2.75"	4.00"
<b>HC-37524</b>	75	24	90	450	4.05"	3.75"	5.18"
<b>HC-375120</b>	75	120	90	450	4.05"	3.75"	5.18"
<b>HC-375240</b>	75	208/240	90	450	4.05"	3.75"	5.18"
<b>HC-39024</b>	90	24	120	540	4.05"	3.75"	5.18"
<b>HC-390120</b>	90	120	120	540	4.05"	3.75"	5.18"
<b>HC-390240</b>	90	208/240	120	540	4.05"	3.75"	5.18"

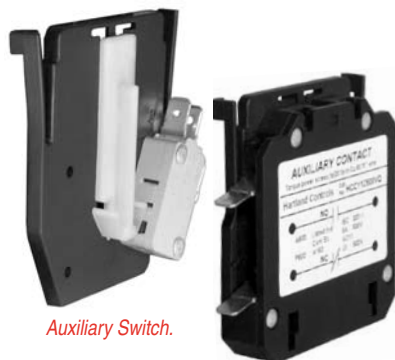


**HC-44024**  
4 Pole Contactor Illustrated

### Four Pole Contactors

- UL, CSA, CE Approved
- 30 Amp.= 2 - 1/4" Brass Spade Terminals Per Power Connection
- 40 Amp.= 2 - 1/4" Copper Spade Terminals Per Power Connection
- 50/ 60 Hz
- Contact Cover Over Contacts With Built-In Test Button

Part #	Full Load Amps.	Coil Voltage 50/60	Resistive Amps.	Locked Rotor Amps.@240V	Height	Width	Depth
<b>HC-43024</b>	30	24	40	180	2.99"	2.75"	3.75"
<b>HC-430120</b>	30	120	40	180	2.99"	2.75"	3.75"
<b>HC-430240</b>	30	208/240	40	180	2.99"	2.75"	3.75"
<b>HC-44024</b>	40	24	50	240	2.99"	2.75"	3.75"
<b>HC-440120</b>	40	120	50	240	2.99"	2.75"	3.75"
<b>HC-440240</b>	40	208/240	50	240	2.99"	2.75"	3.75"



Auxiliary Switch.

**HC-250** (One Switch)

**HC-500** (Two Switches)

Auxiliary Switch.

**HC-600**

### Auxiliary Contact Switches

- Clips Directly Onto Either End Of Any 3 or 4 Pole Rotom Contactor
- 1/4" Quick Connect Terminals
- Snap Fast Action Switch

Part #	Continuous Amps.	Voltage Rating	Description	Height	Width	Depth
<b>HC-250</b>	10	300	1 x SPDT, N.O. & N.C.	2.81"	2.61"	0.67"
<b>HC-500</b>	10	300	2 x SPDT, N.O. & N.C.	2.81"	2.61"	0.67"
<b>HC-600*</b>	10	600	2 Contacts x 1 Pole, N.O (make) or N.C. (break)	2.77"	3.13"	0.70"

\* 6-32 Screw Terminal Model Available - Order Part # **HC-600S**

[www.rotom.ca](http://www.rotom.ca)

## Definite Purpose Magnetic Contactors - Cross Reference

Poles	Amps	Volts	Arrow Hart	Cutler Hammer	Fasco	Fasco New	Furnas	Furnas Centurion	GE 353 Series	GE 453 Series	Rotom
1	25	24	C251U10	C25ANB125T	1S25A	-	-	-	CR353CB1AH1	-	HC-13024
		120	C251U20	C25ANB125A	1S25B	-	-	-	CR353CB1AA1	-	HC-130120
		208/240	C251U30	C25ANB125B	1S25C	-	-	-	CR353CB1AB1	-	HC130240
1	30	24	C301U10	C25ANB130T	1S30A	C1S30A	-	-	CR353CC1AH1	-	HC-13024
		120	C301U20	C25ANB130A	1S30B	C1S30B	-	-	CR353CC1AA1	-	HC-130120
		208/240	C301U30	C25ANB130B	1S30C	C1S30C	-	-	CR353CC1AB1	-	HC-130240
1	40	24	-	C25ANB140T	-	C1S40A	-	-	CR353CD1AH1	-	HC-24024
		120	-	C25ANB140A	-	C1S40B	-	-	CR353CD1AA1	-	HC-240120
		208/240	-	C25ANB140B	-	C1S40C	-	-	CR353CD1AB1	-	HC-240240
1.5	25	24	C251NU10	C25CNB125T	-	-	45DD10AJLL2	45DG10AJD8A	CE353CB3AH1	CR453CB3HAA	HC-23024
		120	C251NU20	C25CNB125A	-	-	45DD10AFLL2	45DG10AFD8A	CR353CB3AA1	CR453CB3AAA	HC-230120
		208/240	C251NU30	C25CNB125B	-	-	45DD10AGLL2	45DG10AGD8A	CR353CB3AB1	CR453CB3BAA	HC-230240
1.5	30	24	C301NU10	C25CNB130T	-	-	45ED10AJLL2	45EG10AJA	CR353CC3AH1	CR453CC3HAA	HC-23024
		120	C301NU20	C25CNB130A	-	-	45ED10AFLL2	45EG10AFA	CR353CC3AA1	CR453CC3AAA	HC-230120
		208/240	C301NU30	C25CNB130B	-	-	45ED10AGLL2	45EG10AGA	CR353CC3AB1	CR453CC3BAA	HC-230240
1.5	40	24	-	C25CNB140T	-	-	45GD10AJ	45GG10AJA	CR353CD3AH1	CR453CD3HAA	HC-24024
		120	-	C25CNB140A	-	-	45GD10AF	45GG10AFA	CR353CD3AA1	CR453CD3AAA	HC-240120
		208/240	-	C25CNB140B	-	-	45GD10AG	45GG10AGA	CR353CD3AB1	CR453CD3BAA	HC-240240
2	20	24	C202U10	C25BNB220T	2S20A	-	45CA20AJ	45CG20AJ	CR353CA2AH1	CR453CA2HAA	H2-23024
		120	C202U20	C25BNB220A	2S20B	-	45CA20AF	45CG20AF	CR353CA2AA1	CR453CA2AAA	HC-230120
		208/240	C202U30	C25BNB220B	2S20C	-	45CA20AG	45CG20AG	CR353CA2AB1	CR453CA2BAA	HC-230240
2	25	24	C252U10	C25BNB225T	2S25A	-	45DA20AJ	45DG20AJ	CR353CB2AH1	CR453CB2HAA	H2-23024
		120	C252U20	C25BNB225A	2S25B	-	45DA20AF	45DG20AF	CR353CB2AA1	CR453CB2AAA	HC-230120
		208/240	C252U30	C25BNB225B	2S25C	-	45DA20AG	45DG20AG	CR353CB2AB1	CR453CB2BAA	HC-230240
2	25	24	ACC220U10	C25DND225T	-	-	41NB20AJM	42AF15AJ	CR353AB2AH1	-	HC-23024
		120	ACC220U20	C25DND225A	-	-	41NB20AFM	42AF15AF	CR353AB2AA1	-	HC-230120
		208/240	ACC220U30	C25DND225B	-	-	41NB20AGM	42AF15AG	CR353AB2AB1	-	HC-230240
2	30	24	C302U10	C25BNB230T	2S30A	C2S30A	45EA20AJ	45EG20AJ	CR353CC2AH1	CR453CC2HAA	H2-23024
		120	C302U20	C25BNB230A	2S30B	C2S30B	45EA20AF	45EG20AF	CR353CC2AA1	CR453CC2AAA	HC-230120
		208/240	C302U30	C25BNB230B	2S30C	C2S30C	45EA20AG	45EG20AG	CR353CC2AB1	CR453CC2BAA	HC-230240
2	30	24	ACC320U10	C25DND230T	-	-	42BE15AJ106	42BF15AJ	CR353AC2AH1	-	HC-23024
		120	ACC320U20	C25DND230A	-	-	42BE15AF106	42BF15AF	CR353AC2AA1	-	HC-230120
		208/240	ACC320U30	C25DND230B	-	-	42BE15AG106	42BF15AG	CR353AC2AB1	-	HC-230240
2	40	24	C402U10	C25BNB240T	2M40A	C2S40A	45GA20AJ	45GG20AJ	CR353CE2BH1	CR453CE2HBB	HC-24024
		120	C402U20	C25BNB240A	2M40B	C2S40B	45GA20AF	45GG20AF	CR353CE2BA1	CR453CE2ABB	HC-240120
		208/240	C402U30	C25BNB240B	2M40C	C2S40C	45GA20AG	45GG20AG	CR353CE2BB1	CR453CE2BBB	HC-240240
2	40	24	ACC420U10	C25DNF240T	-	-	42CE15AJ106	42CF15AJ	CR353AD2AH1	-	HC-24024
		120	ACC420U20	C25DNF240A	-	-	42CE15AF106	42CF15AF	CR353AD2AA1	-	HC240120
		208/240	ACC420U30	C25DNF240B	-	-	42CE15AG106	42CF15AG	CR353AD2AB1	-	HC-240240
2	50	24	ACC520U10	C25FNF250T	-	-	42DE15AJ106	42DF15AJ	CR353FE2BH1	-	HC-35024
		120	ACC520U20	C25FNF250A	-	-	42DE15AF106	42DF15AF	CR353FE2BA1	-	HC-350120
		208/240	ACC520U30	C25FNF250B	-	-	42DE15AG106	42DF15AG	CR353FE2BB1	-	HC-350240
2	60	24	ACC620U10	C25FNF260T	-	-	42EE15AJ106	42EF15AJ	CR353FF2BH1	-	HC-36024
		120	ACC620U20	C25FNF260A	-	-	42EE15AF106	42EF15AF	CR353FF2BA1	-	HC-360120
		208/240	ACC620U30	C25FNF260B	-	-	42EE15AG106	42EF15AG	CR353FF2BB1	-	HC-360240
3	25	24	ACC230U10	C25DND325T	3M25A	-	41NB30AJM	42AF35AJ	CR353AB3AH1	CR453AB3HAA	HC-33024
		120	ACC230U20	C25DND325A	3M25B	-	41NB30AFM	42AF35AF	CR353AB3AA1	CR453AB3AAA	HC-330120
		208/240	ACC230U30	C25DND325B	3M25C	-	41NB30AGM	42AF35AG	CR353AB3AB1	CR453AB3BAA	HC-330240
3	30	24	ACC330U10	C25DND330T	3M30A	C3M30A	42BE35AJ106	42BF35AJ	CR353AC3AH1	CR453AC3HAA	HC-33024
		120	ACC330U20	C25DND330A	3M30B	C3M30B	42BE35AF106	42BF35AF	CR353AC3AA1	CR453AC3AAA	HC-330120
		208/240	ACC330U30	C25DND330B	3M30C	C3M30C	42BE35AG106	42BF35AG	CR353AC3AB1	CR453AC3BAA	HC-330240
3	40	24	ACC430U10	C25DNF340T	3M40A	C3M40A	42CE35AJ106	42CF35AJ	CR353AD3BH1	CR453AD3HBB	HC-34024
		120	ACC430U20	C25DNF340A	3M40B	C3M40B	42CE35AF106	42CF35AF	CR353AD3BA1	CR453AD3ABB	HC-340120
		208/240	ACC430U30	C25DNF340B	3M40C	C3M40C	42CE35AG106	42CF35AG	CR353AD3BB1	CR453AD3BBB	HC-340240
3	50	24	ACC530U10	C25FNF350T	3L50A	C3L50A	42DE35AJ106	42DF35AJ	CR353FE3BH1	-	HC-35024
		120	ACC530U20	C25FNF350A	3L50B	C3L50B	42DE35AF106	42DF35AF	CR353FE3BA1	-	HC-350120
		208/240	ACC530U30	C25FNF350B	3L50C	C3L50C	42DE35AG106	42DF35AG	CR353FE3BB1	-	HC-350240
3	60	24	ACC630U10	C25FNF360T	3L60A	C3L60A	42EE35AJ106	42EF35AJ	CR353FF3BH1	-	HC-36024
		120	ACC630U20	C25FNF360A	3L60B	C3L60B	42EE35AF106	42EF35AF	CR353FF3BA1	-	HC-360120
		208/240	ACC630U30	C25FNF360B	3L60C	C3L60C	42EE35AG106	42EF35AG	CR353FF3BB1	-	HC-360240
4	25	24	-	C25END425T	-	-	42AF25AJ	42AF25AJ	CR353AB4AH1	-	HC-43024
		120	-	C25END425A	-	-	42AF25AF	42AF25AF	CR353AB4AA1	-	HC-430120
		208/240	-	C25END425B	-	-	42AF25AG	42AF25AG	CR353AB4AB1	-	HC-430240
4	30	24	ACC34U10	C25END430T	-	C4L30A	42BE25AJ106	42BF25AJ	CR353AC4AH1	-	HC-43024
		120	ACC34U20	C25END430A	-	C4L30B	42BE25AF106	42BF25AF	CR353AC4AA1	-	HC-430120
		208/240	ACC34U30	C25END430B	-	C4L30C	42BE25AG106	42BF25AG	CR353AC4AB1	-	HC-430240
4	40	24	ACC440U10	C25ENF440T	-	C4L40A	42CE25AJ106	42CF25AJ	CR353AD4BH1	-	HC-44024
		120	ACC440U20	C25ENF440A	-	C4L40B	42CE25AF106	42CF25AF	CR353AD4BA1	-	HC-440120
		208/240	ACC440U30	C25ENF440B	-	C4L40C	42CE25AG106	42CF25AG	CR353AD4BB1	-	HC-440240

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