Selector Worksheet

NEMA Combination Starters

Use this worksheet to help identify the part number of the product your customer is looking for. The following questions will guide you to the correct product, and the questions on the back will help determine how to identify the specific part number from Digest 176.

1. What disconnect type?

- ☐ Non-fusible
- ☐ Fusible switch class H and K fuse
- ☐ Fusible switch class R fuse
- ☐ Magnetic only (Mag-Gard®) circuit breaker
- ☐ Thermal magnetic circuit breaker

2. Do you need non-reversing or reversing?

- ☐ Non-reversing
- ☐ Reversing

3. What is the motor voltage?

- ☐ 115 Vac
- ☐ 200 Vac
- ☐ 230 Vac
- ☐ 460 Vac
- ☐ 575 Vac

4. What is the number of poles?

- ☐ 2 poles
- ☐ 3 poles

5. What is the NEMA size? (if you know)

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7

Or what is the horsepower?

☐ ¼–⅓	☐ ¼–1	☐ ½–1	☐ 1	☐ ½–3	☐ 2	☐ 3	☐ 5
☐ 5–7	☐ 7	☐ 5–10	☐ 10	☐ 10–15	☐ 15	☐ 15–20	☐ 20
☐ 20–25	☐ 25	☐ 25–30	☐ 30	☐ 30–50	☐ 40	☐ 40–50	☐ 50
☐ 60	☐ 60–75	☐ 60–100	☐ 75	☐ 100	☐ 125	☐ 150	☐ 200
☐ 250	☐ 300	☐ 350	☐ 350–400	☐ 400	☐ 500	☐ 600	

6. What type of enclosure?

- ☐ NEMA Type 1 (general purpose/indoor)
- ☐ NEMA type 4X (polyester)
- ☐ NEMA Type 7 and 9* (explosion proof/hazardous location)
- ☐ NEMA Type 4 and 4X (stainless steel)
- ☐ NEMA Type 12/3R (indoor industrial/outdoor)

** Only available on circuit breaker style.*

SQUARE D™

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NEMA Contactors and Starters

7. What is the coil voltage (control voltage)?

- ☐ 24 V/60 Hz (V01S)
- ☐ 120 V/60 Hz (V02S)
- ☐ 208 V/60 Hz (V08)
- ☐ 240 V/60 Hz (V03)
- ☐ 277 V/60 Hz (V04)
- ☐ 480 V/60 Hz (V06)

8. What overload relay? (options)

- ☐ Melting alloy (standard code = NO FORM)
- ☐ Ambient compensated bimetallic (FORM = B)
- ☐ Non-ambient compensated bimetallic (FORM = B2)
- ☐ Solid-state class 10 (10 second trip, FORM = H10)
- ☐ Solid-state class 20 (20 second trip, FORM = H20)
- ☐ Solid-state class 10/20 (selectable trip class, FORM = H30)

9. What accessories? (optional) (N.O. = normally open; N.C. = normally closed)

- ☐ Start/stop push button (A)
- ☐ Hand-off-auto selector switch (C)
- ☐ On pilot light – red (P1)
- ☐ Off pilot light – green (P2)
- ☐ Fusing for CPT (2 primary 1 secondary [FF4])
- ☐ Control power transformer (T)
- ☐ Auxiliary contacts (X)
- ☐ N.O. (0, 1, 2, 3, 4)
- ☐ N.C. (0, 1, 2, 3, 4)

How to build or find the part number

Follow the steps below to locate and build the part number you need. Page numbers refer to Schneider Electric's Digest 176. If you don't have a copy of this product catalog, please request one from your local representative or visit www.schneider-electric.us.

Step 1: Locate the correct page in the Digest

- If it's 2 pole – go to pages 16-31/33
- If it's non-reversing 3 pole – go to pages 16-31/39
- If it's reversing 3 pole – go to pages 16-44/47

Step 2: Locate the class number from the top of the page (this will be a four-digit number starting with an "8," e.g. 8538)

Step 3: Match the NEMA size; or motor voltage and horsepower from your worksheet to the values in the appropriate column in the Digest (motor voltage is in column one, horsepower is in column two and NEMA size is in column three)

Step 4: Follow that row to the right to locate the part number associated with the appropriate enclosure type (the enclosure types are labeled at the top of each column – choose the part number that is in line with the information determined in Step 3)

Step 5: Choose your coil voltage from the bottom of the page (this code will start with a "V")

Step 6: Add the overload relay code provided in question 7 from the front of this worksheet (this is an optional code)

Step 7: If the coil voltage is 24 or 120, add an "S" to the end of the part number (i.e. if your coil voltage is 24 volts, change this to V01S; if you have an overload relay code, V01H20S)

8_____	S_____	V_____	_____	S_____
Class number	Enclosure type	Coil voltage	Overload relay code (optional)	Coil voltage label of S (optional)

Step 8: Choose your accessories from the starter/contactor accessory worksheet

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October 2014

Selector Worksheet

NEMA Full-voltage Starters

Use this worksheet to help identify the part number of the product your customer is looking for. The following questions will guide you to the correct product, and the questions on the back will help determine how to identify the specific part number from Digest 176.

1. Do you need non-reversing or reversing?

☐ Non-reversing ☐ Reversing

2. What is the motor voltage?

☐ 115 Vac ☐ 200 Vac ☐ 230 Vac ☐ 460 Vac ☐ 575 Vac

3. What is the number of poles?

☐ 2 poles ☐ 3 poles ☐ 4 poles

4. What is the NEMA size? (if you know)

☐ 00 ☐ 0 ☐ 1 ☐ 2 ☐ 3
☐ 4 ☐ 5 ☐ 6 ☐ 7

Or what is the horsepower?

☐ ⅓ ☐ 1 ☐ 1½ ☐ 2 ☐ 3 ☐ 5 ☐ 7½
☐ 10 ☐ 15 ☐ 25 ☐ 30 ☐ 40 ☐ 50 ☐ 75
☐ 100 ☐ 150 ☐ 200 ☐ 300 ☐ 400 ☐ 600

5. What type of enclosure?

☐ None – open starter
☐ NEMA type 1 (general purpose/indoor)
☐ NEMA type 12 (indoor/industrial)
☐ NEMA type 3R (outdoor* proof/hazardous location)
☐ NEMA type 4 and 4X (stainless)
☐ NEMA type 4X (glass-polyester)
☐ NEMA type 7 and 9 (explosion)
☐ Bolted type or SPIN TOP®

** see footnote on Digest Page 16-104.*

6. What is the coil voltage (control voltage)?

☐ 24 V/60 Hz (V01S) ☐ 120 V/60 Hz (V02S) ☐ 208 V/60 Hz (V08)
☐ 240 V/60 Hz (V03) ☐ 277 V/60 Hz (V04 ☐ 480 V/60 Hz (V06)

SQUARE D™
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NEMA Contactors and Starters

7. What overload relay? (options)

- ☐ Melting alloy (standard code = NO FORM)
- ☐ Ambient compensated bimetallic (FORM = B)
- ☐ Non-ambient compensated bimetallic (FORM = B2)
- ☐ Solid-state class 10 (10 second trip, FORM = H10)
- ☐ Solid-state class 20 (20 second trip, FORM = H20)
- ☐ Solid-state class 10/20 (selectable trip class, FORM = H30)

8. What accessories? (optional) (N.O. = normally open; N.C. = normally closed)

- ☐ Start/stop push button (A)
- ☐ Hand-off-auto selector switch (C)
- ☐ On pilot light – red (P1)
- ☐ Off pilot light – green (P2)
- ☐ Fusing for CPT (2 primary, 1 secondary [FF4])
- ☐ Control power transformer (T)
- ☐ Auxiliary contacts (X)
- ☐ N.O. (0, 1, 2, 3, 4)
- ☐ N.C. (0, 1, 2, 3, 4)

How to build or find the part number

Follow the steps below to locate and build the part number you need. Page numbers refer to Schneider Electric's Digest 176.
If you don't have a copy of this product catalog, please request one from your local representative or visit www.schneider-electric.us.

Step 1: Locate the correct page in the Digest

- If it's non-reversing 2 pole – go to pages 16-20/21
- If it's non-reversing 3 pole – go to pages 16-18/19
- If it's non-reversing 4 pole – go to pages 16-20/21
- If it's reversing 2 pole – go to page 16-45
- If it's reversing 3 pole – go to page 16-44
- If it's reversing 4 pole – go to page 16-45

Step 2: Locate the class number from the top of the page (this will be a four-digit number starting with an "8," e.g. 8536)

Step 3: Match the NEMA size or motor voltage and horsepower from your worksheet to the values in the appropriate column in the Digest (NEMA size is in column one, motor voltage is in column three and horsepower is in column four)

Step 4: Follow that row to the right to locate the part number associated with the appropriate enclosure type (the enclosure types are labeled at the top of each column – choose the partner number that is in line with the information determined in Step 3)

Step 5: Choose your coil voltage from the bottom of the page (this code will start with a "V")

Step 6: Add the overload relay code provided in question 7 from the front of this worksheet (this is an optional code)

Step 7: If the coil voltage is 24 or 120, add an "S" to the end of the part number (i.e if your coil voltage is 24 volts, change this to V24S; if you have an overload relay code, use V24H20S)

Step 8: Choose your accessories from the starter/contactor accessory worksheet

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Selector Worksheet

NEMA Full-voltage Contactors

Use this worksheet to help identify the part number of the product your customer is looking for. The following questions will guide you to the correct product, and the questions on the back will help determine how to identify the specific part number from Digest 176.

1. Do you need non-reversing or reversing?

☐ Non-reversing ☐ Reversing

2. What is the motor voltage?

☐ 115 Vac ☐ 200 Vac ☐ 230 Vac ☐ 460 Vac ☐ 575 Vac

3. What is the number of poles?

☐ 1 pole ☐ 2 poles ☐ 3 poles ☐ 4 poles ☐ 5 poles

4. What is the NEMA size? (if you know)

☐ 00 ☐ 0 ☐ 1 ☐ 2 ☐ 3
☐ 4 ☐ 5 ☐ 6 ☐ 7

Or what is the horsepower?

☐ ⅓ ☐ 1 ☐ 1½ ☐ 2 ☐ 3 ☐ 5 ☐ 7½
☐ 10 ☐ 15 ☐ 25 ☐ 30 ☐ 40 ☐ 50 ☐ 75
☐ 100 ☐ 150 ☐ 200 ☐ 300 ☐ 400 ☐ 600

5. What type of enclosure?

☐ None – open starter ☐ NEMA type 4X (glass-polyester)
☐ NEMA type 1 (general purpose/indoor) ☐ NEMA type 4 and 4X (stainless)
☐ NEMA type 12 (indoor/industrial) ☐ Bolted type or SPIN TOP®
☐ NEMA type 7 and 9 (explosion proof/hazardous location)

6. What is the coil voltage (control voltage)?

☐ 24 V/60 Hz (V01S) ☐ 120 V/60 Hz (V02S) ☐ 208 V/60 Hz (V08)
☐ 240 V/60 Hz (V03) ☐ 277 V/60 Hz (V04) ☐ 480 V/60 Hz (V06)

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NEMA Contactors and Starters

7. What overload relay? (options)

- ☐ Melting alloy (standard code = NO FORM)
- ☐ Ambient compensated bimetallic (FORM = B)
- ☐ Solid-state class 20 (20 second trip, FORM = H20)
- ☐ Solid-state class 10/20 (selectable trip class, FORM = H30)
- ☐ Non-ambient compensated bimetallic (FORM = B2)
- ☐ Solid-state class 10 (10 second trip, FORM = H10)

8. What accessories? (optional) (N.O. = normally open; N.C. = normally closed)

- ☐ Start/stop push button (A)
- ☐ Hand-off-auto selector switch (C)
- ☐ Fusing for CPT (2 primary 1 secondary [FF4])
- ☐ Control power transformer (T)
- ☐ Auxiliary contacts (X)
- ☐ On pilot light – red (P1)
- ☐ N.O. (0, 1, 2, 3, 4)
- ☐ N.C. (0, 1, 2, 3, 4)
- ☐ Off pilot light – green (P2)

How to build or find the part number

Follow the steps below to locate and build the part number you need. Page numbers refer to Schneider Electric's Digest 176. If you don't have a copy of this product catalog, please request one from your local representative or visit www.schneider-electric.us.

Step 1: Locate the correct page in the Digest

- If it's non-reversing 1 pole or 2 pole – go to pages 16-16
- If it's non-reversing 3 pole – go to pages 16-14/15
- If it's non-reversing 4 pole or 5 pole – go to pages 16-16
- If it's reversing 1 pole or 2 pole – go to page 16-45
- If it's reversing 3 pole – go to page 16-44
- If it's reversing 4 pole – go to page 16-45

Step 2: Locate the class number from the top of the page (this will be a four-digit number starting with an "8")

Step 3: Match the NEMA size or motor voltage and horsepower from your worksheet to the values in the appropriate column in the Digest (NEMA size is in column one, motor voltage is in column three and horsepower is in column four)

Step 4: Follow that row to the right to locate the part number associated with the appropriate enclosure type (the enclosure types are labeled at the top of each column – choose the partner number that is in line with the information determined in Step 3)

Step 5: Choose your coil voltage from the bottom of the page (this code will start with a "V")

Step 6: If the coil voltage is 24 or 120, add an "S" to the end of the part number (i.e if your coil voltage is 24 volts, change this to V24S; if you have an overload relay code, use V24H20S)

Below is the format your part number should take:

8_____	S_____	V_____	_____	S
Class number	Enclosure type	Coil voltage	Overload relay code (optional)	Coil voltage label of S (optional)

Step 7: Choose your accessories from the starter/contactor accessory worksheet

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Accessory Worksheet

NEMA Combination Starter Accessories

Use this worksheet to help identify the accessory part numbers for combination starters.

1. Replacement coils

Coil Voltage	Size 00	Size 0	Size 1	Size 2
24 Vac	9998SAC23	31041-400-20	31041-400-20	31063-409-16
120 Vac	9998SAC45	31041-400-42	31041-400-42	31063-409-38
208 Vac	9998SAC52	31041-400-48	31041-400-48	31063-409-44
240 Vac	9998SAC54	31041-400-51	31041-400-51	31063-409-47
480 Vac	9998SAC62	31041-400-60	31041-400-60	31063-409-57

2. Push button kits

	Size 00	Size 0	Size 1	Size 2
Start/Stop NEMA 1	9999SA2	9999SA2	9999SA2	9999SA2
Start/Stop NEMA 3R/12	9999SA3	9999SA3	9999SA3	9999SA3
On/Off NEMA 1	9999SA10	9999SA10	9999SA10	9999SA10
On/Off NEMA 3R/12	9999SA3	9999SA3	9999SA3	9999SA3

3. Selector switch kits

	Size 00	Size 0	Size 1	Size 2
HOA NEMA 1	9999SC2	9999SC2	9999SC2	9999SC2
HOA NEMA 3R/12	9999SC8	9999SC8	9999SC8	9999SC8
On/Off NEMA 1	9999SC22	9999SC22	9999SC22	9999SC22

4. Pilot light kit

	Size 00	Size 0	Size 1	Size 2
NEMA 1	9999SP2R	9999SP2R	9999SP2R	9999SP3R
NEMA 3R/12	9999SP28R	9999SP28R	9999SP28R	9999SP28R

5. Auxiliary contact (one normally open and one normally closed field convertible contact: 9999SX8 [all sizes])

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Accessory Worksheet

NEMA Full-voltage Starter/Contactor Accessories

Use this worksheet to help identify the accessory part numbers for starter/contactor.

1. Replacement coils

Coil Voltage	Size 00	Size 0	Size 1	Size 2
24 Vac	9998SAC23	31041-400-20	31041-400-20	31063-409-16
120 Vac	9998SAC45	31041-400-42	31041-400-42	31063-409-38
208 Vac	9998SAC52	31041-400-48	31041-400-48	31063-409-44
240 Vac	9998SAC54	31041-400-51	31041-400-51	31063-409-47
480 Vac	9998SAC62	31041-400-60	31041-400-60	31063-409-57

2. Separate enclosure with reset button (enclosure suitable for starter with melting alloy or solid state overload relay only)

	Size 00	Size 0	Size 1	Size 2
NEMA Type 1	9991SCG8[1]	9991SCG8[1]	9991SCG8[1]	9991SDG8[1]
NEMA Type 12	9991SCA11	9991SCA11	9991SCA11	9991SDA11

[1] Purchase 9999SG2 closing plate for use with 8502 contactors.

3. Push button kits

	Size 00	Size 0	Size 1	Size 2
Start/Stop NEMA 1	9999SA2	9999SA2	9999SA2	9999SA2
Start/Stop NEMA 3R/12	9999SA3	9999SA3	9999SA3	9999SA3
On/Off NEMA 1	9999SA10	9999SA10	9999SA10	9999SA10
On/Off NEMA 3R/12	9999SA3	9999SA3	9999SA3	9999SA3

4. Selector switch kits

	Size 00	Size 0	Size 1	Size 2
HOA NEMA 1	9999SC2	9999SC2	9999SC2	9999SC2
HOA NEMA 3R/12	9999SC8	9999SC8	9999SC8	9999SC8
On/Off NEMA 1	9999SC22	9999SC22	9999SC22	9999SC22

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5. Pilot light kit

	Size 00	Size 0	Size 1	Size 2
NEMA 1	9999SP2R	9999SP2R	9999SP2R	9999SP3R
NEMA 3R/12	9999SP28R	9999SP28R	9999SP28R	9999SP28R

6. Auxiliary contact (one normally open and one normally closed field convertible contact: 9999SX8 [all sizes])

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