

"ODYSSEY SERIES" AC Contactors, Featuring Supermagnet Technology (AC or DC Operated)



■ NON-REVERSING CONTACTORS UL File No. E42419

| 1 Phase Ratings | | 3 Phase Ratings | | | | AC1 | AC3 | Qty. of Aux. Contacts | | Part Number | Fuji Type | Frame Size |
|-----------------|-------|-----------------|------------|------------|------------|-----|-----|-----------------------|----|--------------|-----------|------------|
| 120 | 240 | 200 208 | 220 240 | 440 480 | 550 600 | | | NO | NC | | | |
| 1 1/2 | 3 | 7 1/2 | 10 | 25 | 25 | 50 | 34 | 2 | 2 | 3NC0T0#22/SE | SC-N1/SE | 0T |
| 2 | 3 | 10 | 15 | 30 | 30 | 60 | 42 | 2 | 2 | 3NC1Q0#22/SE | SC-N2/SE | 1Q |
| 3 | 7 1/2 | 15 | 20 | 40 | 40 | 80 | 54 | 2 | 2 | 3NC2F0#22/SE | SC-N2S/SE | 2F |
| 3 | 7 1/2 | 20 | 25 | 50 | 50 | 100 | 68 | 2 | 2 | 3NC2H0#22/SE | SC-N3/SE | 2H |
| - | - | 25 | 30 | 60 | 60 | 135 | 80 | 2 | 2 | 3NC2T0#22/SE | SC-N4/SE | 2T |
| - | - | 30 | 30 | 60 | 75 | 150 | 92 | 2 | 2 | 3NC3F0#22 | SC-N5 | 3F |
| - | - | 40 | 40 | 75 | 100 | 150 | 120 | 2 | 2 | 3NC3H0#22 | SC-N6 | 3H |
| - | - | 50 | 50 | 100 | 125 | 200 | 150 | 2 | 2 | 3NC4F0#22 | SC-N7 | 4F |
| - | - | 60 | 60 | 150 | 150 | 260 | 180 | 2 | 2 | 3NC4Q0#22 | SC-N8 | 4Q |
| - | - | 75 | 75 | 150 | 200 | 260 | 221 | 2 | 2 | 3NC4H0#22 | SC-N10 | 4H |
| - | - | 100 | 100 | 200 | 250 | 350 | 285 | 2 | 2 | 3NC5F0#22 | SC-N11 | 5F |
| - | - | 125 | 150 | 300 | 350 | 450 | 361 | 2 | 2 | 3NC5H0#22 | SC-N12 | 5H |

■ REVERSING CONTACTORS UL File No. E42419

| 1 Phase Ratings | | 3 Phase Ratings | | | | AC1 | AC3 | Qty. of Aux. Contacts | | Part Number | Fuji Type | Frame Size |
|-----------------|-------|-----------------|------------|------------|------------|-----|-----|-----------------------|----|--------------|-------------|------------|
| 120 | 240 | 200 208 | 220 240 | 440 480 | 550 600 | | | NO | NC | | | |
| 1 1/2 | 3 | 7 1/2 | 10 | 25 | 25 | 50 | 34 | 2 | 2 | 3ND0T0#22/SE | SC-N1RM/SE | 0T |
| 2 | 3 | 10 | 15 | 30 | 30 | 60 | 42 | 2 | 2 | 3ND1Q0#22/SE | SC-N2RM/SE | 1Q |
| 3 | 7 1/2 | 15 | 20 | 40 | 40 | 80 | 54 | 2 | 2 | 3ND2F0#22/SE | SC-N2SRM/SE | 2F |
| 3 | 7 1/2 | 20 | 25 | 50 | 50 | 100 | 68 | 2 | 2 | 3ND2H0#22/SE | SC-N3RM/SE | 2H |
| - | - | 25 | 30 | 60 | 60 | 135 | 80 | 2 | 2 | 3ND2T0#22/SE | SC-N4RM/SE | 2T |
| - | - | 30 | 30 | 60 | 75 | 150 | 92 | 2 | 2 | 3ND3F0#22 | SC-N5RM | 3F |
| - | - | 40 | 40 | 75 | 100 | 150 | 120 | 2 | 2 | 3ND3H0#22 | SC-N6RM | 3H |
| - | - | 50 | 50 | 100 | 125 | 200 | 150 | 2 | 2 | 3ND4F0#22 | SC-N7RM | 4F |
| - | - | 60 | 60 | 150 | 150 | 260 | 180 | 2 | 2 | 3ND4Q0#22 | SC-N8RM | 4Q |
| - | - | 75 | 75 | 150 | 200 | 260 | 221 | 2 | 2 | 3ND4H0#22 | SC-N10RM | 4H |
| - | - | 100 | 100 | 200 | 250 | 350 | 285 | 2 | 2 | 3ND5F0#22 | SC-N11RM | 5F |
| - | - | 125 | 150 | 300 | 350 | 450 | 361 | 2 | 2 | 3ND5H0#22 | SC-N12RM | 5H |

EXPLANATION OF PART NUMBER SYSTEM

3 N C 0 T 0 # 2 2 / S E

• **PRODUCT LINE**
3=Odyssey Series

• **OPERATION**
N=AC or DC Coil
(Super Magnet)

• **DESCRIPTION**
C=Non-Reversing Contactor
D=Reversing Contactor

• **FRAME SIZE**

• **FRAME ENCLOSURE**
0=Open Frame, No Enclosure

• **SUPER MAGNET OPTION**
SE=Super Magnet Option "SE" is an option on frames 0T, 1Q, 2F, 2H & 2T. All other frames offer Super Magnet standard.

• **QUANTITY OF N.C. AUX. CONTACTS**

• **QUANTITY OF N.O. AUX. CONTACTS**

• **COIL VOLTAGE**
Select code from chart on next page

"ODYSSEY SERIES" AC Contactors, Featuring Supermagnet Technology (AC or DC Operated)

AVAILABLE COILS

| Code Letter | AC 50/60Hz | DC |
|-------------|------------|----------|
| E | 24-25V | 24V |
| F | 48-50V | 48V |
| 1 | 100-127V | 100-120V |
| 2 | 200-250V | 200-240V |
| Q | 380-450V | N/A |
| 4 | 460-575V | N/A |

Note: The coil is energized by either an AC or DC input. (Code letter: E, F, 1, 2)

COIL CHARACTERISTICS

| Frame Size | Power Consumption (VA) | | Pick-up Voltage (V) | Drop-out Voltage (V) | Operating Time (ms) | |
|--------------|------------------------|-----|---------------------|----------------------|-----------------------|-------------------------|
| | Inrush Sealed | | | | Coil ON Contact ON | Coil OFF Contact OFF |
| 0T/SE, 1Q/SE | 137 | 3.9 | 70-80 | 35-50 | 20-25 | 20-25 |
| 2F/SE, 2H/SE | 168 | 3.8 | 70-80 | 35-50 | 23-28 | 24-29 |
| 2T/SE | 130 | 3.9 | 70-80 | 35-50 | 32-36 | 30-33 |
| 3F | 130 | 3.9 | 70-80 | 35-50 | 32-36 | 30-33 |
| 3H | 210 | 4.4 | 70-80 | 35-50 | 32-36 | 30-33 |
| 4F | 210 | 4.4 | 70-80 | 35-50 | 32-36 | 30-33 |
| 4Q, 4H | 277 | 5.4 | 70-80 | 35-50 | 35-41 | 37-45 |
| 5F, 5H | 265 | 5.9 | 70-80 | 35-50 | 40-47 | 36-43 |

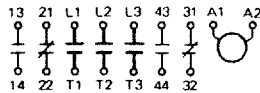
This data is based on 100-120V SUPERMAGNET coil, tested at 120Vac, 60Hz.

| | | | | | | |
|--------------|-----|-----|-------|-------|-------|-------|
| 0T/SE, 1Q/SE | 155 | 2.6 | 77-88 | 28-44 | 20-25 | 20-25 |
| 2F/SE, 2H/SE | 195 | 2.5 | 77-88 | 28-44 | 23-28 | 24-29 |
| 2T/SE | 112 | 2.6 | 77-88 | 28-44 | 32-36 | 30-33 |
| 3F | 112 | 2.6 | 77-88 | 28-44 | 32-36 | 30-33 |
| 3H | 255 | 3 | 77-88 | 28-44 | 32-36 | 30-33 |
| 4F | 255 | 3 | 77-88 | 28-44 | 32-36 | 30-33 |
| 4Q, 4H | 324 | 4.1 | 77-88 | 28-44 | 35-41 | 37-45 |
| 5F, 5H | 340 | 4.5 | 77-88 | 28-44 | 40-47 | 36-43 |

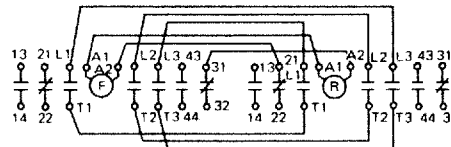
This data is based on 100-120V SUPERMAGNET coil, tested at 110VDC.

WIRING DIAGRAMS / AUXILIARY CONTACT INFORMATION

NON-REVERSING CONTACTORS



REVERSING CONTACTORS



Notes:

- All Odyssey series contactors and starters come equipped with 2NO + 2NC auxiliary contacts standard.
- Reversing contactors & starters from Frame size 0T through 2H can be constructed in the field. See Accessories on pages 27-28 for details. Larger frame reversing models [frames 2T & larger] can only be assembled at Fuji's New Jersey facility.

AUXILIARY CONTACT RATINGS

| Operating | Contact rating Code Designation | Continuous Ampere Rating | Current-Make/Break (A) | | | |
|-----------|---------------------------------|--------------------------|------------------------|-------------|-------------|-------------|
| | | | 110 to 120V | 220 to 240V | 440 to 480V | 550 to 600V |
| AC | A600 | 10 | 60/6 | 30/3 | 15/1.5 | 12/1.2 |
| DC | Q300 | 10 | 120V | 240V | 0.55/0.55 | 0.27/0.27 |

ORDERING INFORMATION

- Select the basic part number from the previous page.
- Replace the # mark with the appropriate coil code from the chart above.