

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



■ NON-REVERSING MOTOR STARTERS 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	3NW0T0#*22K/SE	SW-N1/SE2E	0T
2	3	10	15	30	30	60	42	2	2	3NW1Q0#*22K/SE	SW-N2/SE2E	1Q
3	7 1/2	15	20	40	40	80	54	2	2	3NW2F0#*22K/SE	SW-N2S/SE2E	2F
3	7 1/2	20	25	50	50	100	68	2	2	3NW2H0#*22K/SE	SW-N3/SE2E	2H
-	-	25	30	60	60	135	80	2	2	3NW2T0#*22K/SE	SW-N4/SE2E	2T
-	-	30	30	60	75	150	92	2	2	3NW3F0#*22K	SW-N5/2E	3F
-	-	40	40	75	100	150	120	2	2	3NW3H0#*22K	SW-N6/2E	3H
-	-	50	50	100	125	200	150	2	2	3NW4F0#*22K	SW-N7/2E	4F
-	-	60	60	150	150	260	180	2	2	3NW4Q0#*22K	SW-N8/2E	4Q
-	-	75	75	150	200	260	221	2	2	3NW4H0#*22K	SW-N10/2E	4H
-	-	100	100	200	250	350	285	2	2	3NW5F0#*22K	SW-N11/2E	5F
-	-	125	150	300	350	450	361	2	2	3NW5H0#*22K	SW-N12/2E	5H

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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	3NX0T0#*22K/SE	SW-N1RM/SE2E	0T
2	3	10	15	30	30	60	42	2	2	3NX1Q0#*22K/SE	SW-N2RM/SE2E	1Q
3	7 1/2	15	20	40	40	80	54	2	2	3NX2F0#*22K/SE	SW-N2SRM/SE2E	2F
3	7 1/2	20	25	50	50	100	68	2	2	3NX2H0#*22K/SE	SW-N3RM/SE2E	2H
-	-	25	30	60	60	135	80	2	2	3NX2T0#*22K/SE	SW-N4RM/SE2E	2T
-	-	30	30	60	75	150	92	2	2	3NX3F0#*22K	SW-N5RM/2E	3F
-	-	40	40	75	100	150	120	2	2	3NX3H0#*22K	SW-N6RM/2E	3H
-	-	50	50	100	125	200	150	2	2	3NX4F0#*22K	SW-N7RM/2E	4F
-	-	60	60	150	150	260	180	2	2	3NX4Q0#*22K	SW-N8RM/2E	4Q
-	-	75	75	150	200	260	221	2	2	3NX4H0#*22K	SW-N10RM/2E	4H
-	-	100	100	200	250	350	285	2	2	3NX5F0#*22K	SW-N11RM/2E	5F
-	-	125	150	300	350	450	361	2	2	3NX5H0#*22K	SW-N12RM/2E	5H

EXPLANATION OF PART NUMBER SYSTEM

3 N W 0 T 0 # * 2 2 K / S E

• **PRODUCT LINE**
3=Odyssey Series

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

• **DESCRIPTION**
W=Non-Reversing Motor Starter
X=Reversing Motor Starter

• **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.

• **OVERLOAD TYPE**
K=Open Phase Protection
offered as a standard

• **QUANTITY OF N.C. AUX. CONTACTS**

• **QUANTITY OF N.O. AUX. CONTACTS**

• **OVERLOAD RANGE**
Select appropriate letter from chart on page 29

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

"ODYSSEY SERIES" AC Motor Starters, 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

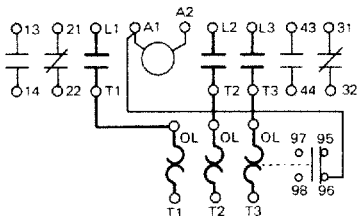
This data is based on 100-120V SUPERMAGNET coil, tested at 120Vac, 60Hz.

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

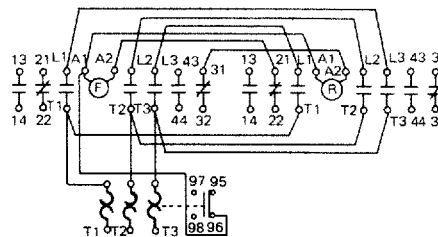
This data is based on 100-120V SUPERMAGNET coil, tested at 110VDC.

WIRING DIAGRAMS / AUXILIARY CONTACT INFORMATION

NON-REVERSING MOTOR STARTERS



REVERSING MOTOR STARTERS



Notes:

- 1) All Odyssey series contactors and starters come equipped with 2NO + 2NC auxiliary contacts standard.
- 2) 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

1. Select the basic part number from the previous page.
2. Replace the # mark with the appropriate coil code from the chart above.
3. Replace the * mark with the appropriate overload code from the chart on page 29.