

## 3TF4 3-Pole with AC Coil

### Features

- Full line of field addable accessories:
  - Enclosures
  - Enclosure Cover Control Kits
  - Surge Suppressors
  - Timer Attachments
  - Mechanical Interlock
- Bifurcated Double Bridge Auxiliary Contacts.
- Meet or exceed NEMA, EEMAC, UL, CSA, IEC, VDE and other international standards.
- Snap-on 35 mm DIN or panel Mounting through 3TF45.
- Touch Safe FAST terminals (**F**ast **A**ccessible **S**afe **T**ermination). Power and control terminals accept 2 wires of rated size. All terminals supplied open ready to wire.
- Inrush capacity of 84 times rated full load current.
- Advanced design and materials including cadmium free contacts.

### Benefits

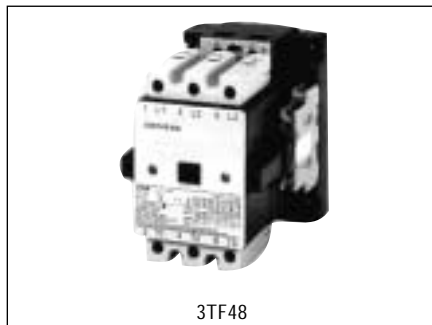
- Flexibility to meet your applications.
- Design suitable for interface with electronic circuits.
- Product accepted in most countries around the world.
- Full mounting flexibility.
- Complete wiring flexibility reduces design time, wiring time, and installed cost.
- Assures trouble free starting of high efficiency motors.
- Long dependable life.

### Description


Siemens has designed the full 3TF4 line to meet or exceed all worldwide standards and conventions. The 3TF series also includes a full assortment of accessories assuring you will always have the right product for your application.

The Siemens 3TF4 contactor series feature the patented arc quenching system that diverts arcs away from contact surfaces and into splitter plates in the arc chute. The arc quenching system allows larger cooler operation up to 1000V. Cadmium free tin oxide contacts and the arc quenching system provide inrush current capacity up to 1200% FLA—required by today's high efficiency motors. The 3TF contactor low mass/short stroke design reduces contact bounce to less than two milliseconds, further extending contact life.

The Siemens 3TF4 Series is supplied with worldwide specified and accepted labeling showing most worldwide ratings and approvals.



## 3TF4 3-Pole with AC Coil

 <p>3TF43</p> <p>3TF48</p>	<b>Ordering Information</b> <ul style="list-style-type: none"> <li>Select Contactor from table below.</li> <li>Complete Catalog Number from coil code table. Example: <b>3TF4010-0AK6</b></li> <li>Overload Relays see pages 416–418.</li> <li>Accessories see pages 412–415.</li> <li>Replacement Parts see pages 920–921.</li> </ul>	<b>Coil Voltage Codes</b> <table border="1"> <thead> <tr> <th>AC V</th> <th>50Hz</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>60Hz</td> <td></td> <td></td> </tr> <tr> <td>24</td> <td>24</td> <td>C2</td> </tr> <tr> <td>120</td> <td>110</td> <td>K6</td> </tr> <tr> <td>208</td> <td>208</td> <td>M2</td> </tr> <tr> <td>277</td> <td>220</td> <td>U1</td> </tr> <tr> <td>240</td> <td>220</td> <td>P6</td> </tr> <tr> <td>480</td> <td>380–415</td> <td>V0</td> </tr> <tr> <td>600</td> <td>500</td> <td>S0</td> </tr> </tbody> </table>	AC V	50Hz	Code	60Hz			24	24	C2	120	110	K6	208	208	M2	277	220	U1	240	220	P6	480	380–415	V0	600	500	S0
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Ampere Rating Enclosed		1 Phase HP Ratings		3 Phase HP Ratings				Auxiliary Contacts Type		Catalog No	Price \$
IEC AC-3	UL	115V	230V	200V	230V	460V	575V	NO	NC		
9	20	½	1½	2	3	5	7½	1	0	3TF4010-0A1† <sup>Ⓢ</sup>	114.
12	20	1	2	3	3	7½	10	1	0	3TF4110-0A1† <sup>Ⓢ</sup>	146.
16	30	1	3	5	5	10	15	1	0	3TF4210-0A1† <sup>Ⓢ</sup>	163.
22	30	2	3	7½	3	15	20	1	0	3TF4310-0A1† <sup>Ⓢ</sup>	172.
32	55	3	5	10	10	25	30	1	1	3TF4411-0A1†	195.
38	55	3	7½	10	15	25	30	1	1	3TF4511-0A1†	223.
Auxiliary Contacts may be added to 3TF46–3TF56 for maximum 4 NO and 4 NC <sup>Ⓢ</sup>											
45	80	5	10	15	20	40	50	1	1	3TF4611-0A1†	299.
63	80	5	15	20	25	50	60	1	1	3TF4711-0A1†	377.
75	100	7½	15	25	30	60	75	1	1	3TF4811-0A1†	455.
85	105	—	—	30	40	75	100	1	1	3TF4911-0A1†	564.

### 3TF Contactors—Auxiliary Contact

Replace 6th (NO Aux. Contact) and 7th (NC Aux. Contact) digit in Catalog Number per chart. Example: 3TF4411-0AK6.

Contactors	Auxiliary Contacts		
	NO 6th Digit	NC 7th Digit	Price Adder \$
3TF40–3TF43 <sup>Ⓢ</sup>	1	0	STD
	0	1	No Adder <sup>Ⓢ</sup>
	1	1	13.
	2	2	26.
3TF44–3TF45	1	1	STD
	2	2	26.
3TF46–3TF49	1	1	STD
	2	2	26.
	4 <sup>Ⓢ</sup>	4 <sup>Ⓢ</sup>	52.

<sup>Ⓢ</sup>See Auxiliary Contact table for standard and optional Auxiliary Contact Configurations.

<sup>Ⓢ</sup>Additional auxiliary cannot be field added.

<sup>Ⓢ</sup>3TF40 and 3TF41 only.

<sup>Ⓢ</sup>Field assembled kit.