



Overload Relays

HP Rated starters are priced and stocked less the overload relays. The overload relays can be ordered separately for field installation or they can be factory installed.

Factory Installed Overload Relay:

A) Select the appropriate overload relay from the chart below. Then add the two digit suffix number (shown bold below) of the overload relay to the starter Catalog Number. See example shown. If the motor FLA is not

known, refer to Application Data Section for a typical value.

B) Add the price of the overload relay to the starter price to obtain the complete list price.

Example: 7½ Hp at 460 volts, 1800 RPM, 9.7 FLA The starter Catalog Number would be **SXLHB1460** The overload relay would be a 3UA5000-**1K** Add the suffix "**1K**" to the end of the starter Catalog Number **SXLHB14601K \$238.00 + \$72.00 = \$310.00** Total List Price.

Type "3UA" Overload Relay Setting Instructions:

For motors with a service factor of 1.00, multiply motor nameplate full load current (FLA) by 0.92 and set overload relay dial to that value.

For motors with a service factor of 1.15, with a marked temperature rise not exceeding 40°C, set dial to full load current marked on motor nameplate.

HP Rated Starter Size ^①	Overload Relay Setting Ranges In Amperes	Overload Relay For Full Voltage Starters HP Rated Type Only	Price \$				
HA HB	0.1-0.16 0.16-0.25 0.25-0.4 0.4-0.63 0.63-1	3UA50 00-0A 3UA50 00-0C 3UA50 00-0E 3UA50 00-0G 3UA50 00-0J	72.				
	0.8-1.25 1-1.6 1.25-2 1.6-2.5 2-3.2	3UA50 00-0K 3UA50 00-1A 3UA50 00-1B 3UA50 00-1C 3UA50 00-1D					
	2.5-4 3.2-5 4-6.3 2-8 6.3-10	3UA50 00-1E 3UA50 00-1F 3UA50 00-1G 3UA50 00-1H 3UA50 00-1J					
	8-12.5 10-14.5	3UA50 00-1K 3UA50 00-2S					
	HC HD	0.1-0.16 0.16-0.25 0.25-0.4 0.4-0.63 0.63-1		3UA52 00-0A 3UA52 00-0C 3UA52 00-0E 3UA52 00-0G 3UA52 00-0J	72.		
		0.8-1.25 1-1.6 1.25-2 1.6-2.5 2-3.2		3UA52 00-0K 3UA52 00-1A 3UA52 00-1B 3UA52 00-1C 3UA52 00-1D			
		2.5-4 3.2-5 4-6.3 5-8 6.3-10		3UA52 00-1E 3UA52 00-1F 3UA52 00-1G 3UA52 00-1H 3UA52 00-1J			
		8-12.5 10-16 12.5-20 16-25		3UA52 00-1K 3UA52 00-2A 3UA52 00-2B 3UA52 00-2C			
		HE		0.10-0.16 0.16-0.25 0.25-0.40 0.40-0.63 0.63-1.00		3UA55 00-0A 3UA55 00-0C 3UA55 00-0E 3UA55 00-0G 3UA55 00-0J	78.
				0.80-1.25 1-1.6 1.25-2 1.6-2.5 2-3.2		3UA55 00-0K 3UA55 00-1A 3UA55 00-1B 3UA55 00-1C 3UA55 00-1D	
2.5-4			3UA55 00-1E				

HP Rated Starter Size ^①	Overload Relay Setting Ranges In Amperes	Overload Relay For Full Voltage Starters HP Rated Type Only	Price \$
HE	3.2-5 4-6.3 5-8 6.3-10 8-12.5	3UA55 00-1F 3UA55 00-1G 3UA55 00-1H 3UA55 00-1J 3UA55 00-1K	78.
	10-16 12.5-20 16-25 20-32 25-36	3UA55 00-2A 3UA55 00-2B 3UA55 00-2C 3UA55 00-2D 3UA55 00-2Q	
HG HH HJ	16-25 20-32 25-40 32-50 40-57	3UA58 00-2C 3UA58 00-2D 3UA58 00-2E 3UA58 00-2F 3UA58 00-2T	117.
	50-63 57-70 63-80 ^② 70-88 ^②	3UA58 00-2P 3UA58 00-2V 3UA58 00-2U 3UA58 00-2W	
HL	55-88 63-90 80-110 90-120 110-135	3UA60 00-2H 3UA60 00-2W 3UA60 00-2X 3UA60 00-3H 3UA60 00-3J	215.
HN	55-80 63-90 80-110 90-120 110-135	3UA62 00-2H 3UA62 00-2W 3UA62 00-2X 3UA62 00-3H 3UA62 00-3J	215.
	120-150 135-160 ^③ 150-180 ^③	3UA62 00-3K 3UA62 00-3L 3UA62 00-3M	
HR HT	80-125 125-200 160-250 200-320 250-400	3UA66 00-2K 3UA66 00-3B 3UA66 00-3C 3UA66 00-3D 3UA66 00-3E	969.

①Note the maximum UL operating current of the starter.
 ②To be used with size HH and HJ starters only.
 ③Panel mounting must be used for setting ranges above 135 to 160 A in order to prevent overheating. Use 3UX1221 links for connection to the 3TF52 contactor see page 258.

