

## 3UA



3UA Thermal Overload Relay

## Application

3UA series thermal overload relay is suitable for using in power system with AC 50/60Hz, rated operation voltage up to 660V and 1000V, current from 0.1A to 630A. It is used to protect AC three-phase asynchronous motor against overload and open-phase.

The current setting value can be regulated and the setting current values of many thermal elements are intercrossing overlapping arrangement, for easy selecting by the customers from  $-25^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$  air temperature as the products have temperature compensating. The relays have the test push-button for breaking NC contacts, the operating indication and free trip characteristics. The items conform to IEC60947-5.

## Specifications

Type	Rated operating current (A)	Rated insulation voltage (V)	Current setting range (A)
3UA50	12.5	660	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.32~0.63, 0.63~1.0, 0.8~1.25, 1.0~1.6, 1.25~2.0, 1.6~2.5, 2.0~3.2, 2.5~4.0, 3.2~5.0, 4.0~6.3, 5.0~8.0, 6.3~10.0, 8.0~12.5
3UA52	25	660	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1.0, 0.8~1.25, 1.0~1.6, 1.25~2.0, 1.6~2.5, 2.0~3.2, 2.5~4.0, 3.2~5.0, 4.0~6.3, 5.0~8.0, 6.3~10.0, 8.0~12.5, 10.0~16.0, 12.5~20.0, 16.0~25.0
3UA54	32	660	4.0~6.3, 6.3~10.0, 10.0~16.0, 12.5~20.0, 16.0~25.0, 20.0~32.0, 25.0~36.0
3UA58	80	1000	16.0~25.0, 20.0~32.0, 25.0~40.0, 32.0~50.0, 40.0~57.0, 50.0~63.0, 57.0~70.0, 63.0~80.0
3UA59	63	660	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1.0, 0.8~1.25, 1.0~1.6, 1.25~2.0, 1.6~2.5, 2.0~3.2, 2.5~4.0, 3.2~5.0, 4.0~6.3, 5.0~8.0, 6.3~10.0, 8.0~12.5, 10.0~16.0, 12.5~20.0, 16.0~25.0, 20.0~32.0, 25.0~40.0, 32.0~45.0, 40.0~57.0, 50.0~63.0
3UA62	180	660	55.0~80.0, 63.0~90.0, 80.0~110.0, 90.0~120.0, 110.0~135.0, 120.0~150.0, 135.0~160.0, 150.0~180.0
3UA66	400	1000	80.0~125.0, 125.0~200.0, 180.0~250.0, 200.0~320.0, 250.0~400.0
3UA68	630	1000	320.0~500.0, 400.0~630.0