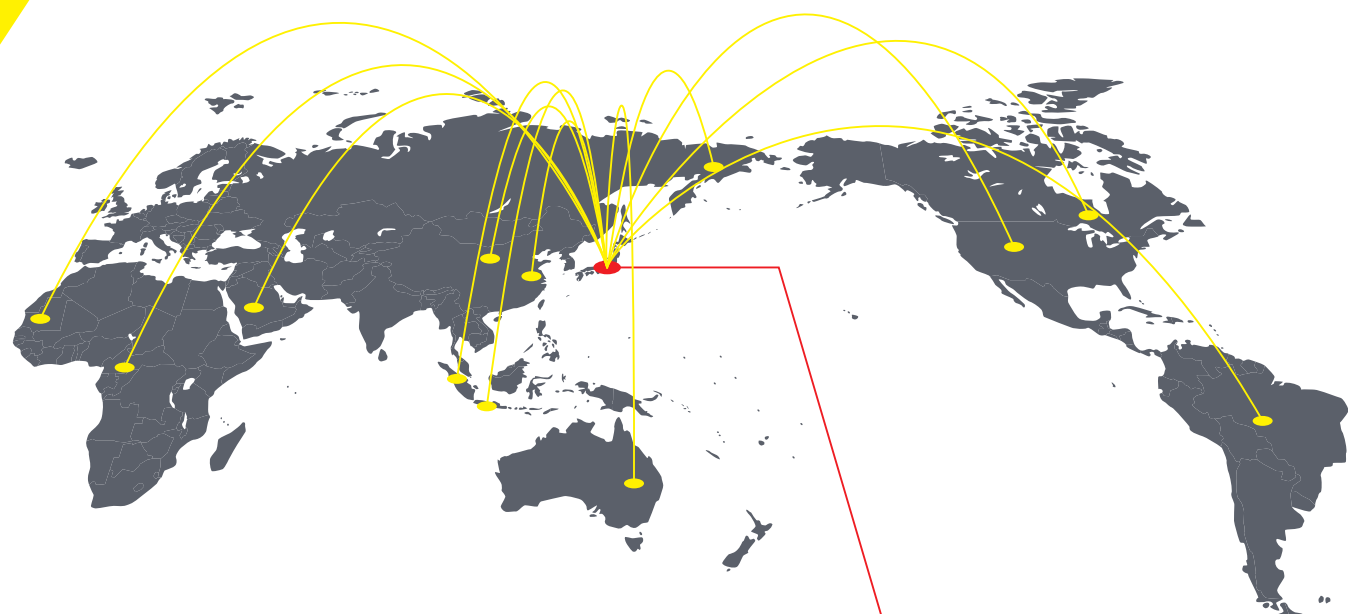


COMPANY PROFILE

## Worldwide Recognition for the Finest Quality

We have developed, produced, and marketed transfer switch contactors not only in Japan but also overseas. Along with our switchboards, panel boards, distribution boards, and control boards, our contactors earned the trust of many customers over the years.



**Company name:** Aichi Electric Works Co., Ltd.

**Headquarters:** 5953-1 Nenjouzaka, Okusa, Komaki, Aichi, Japan

**Established:** November 2003

**Capital stock:** JPY240 million



### More Information



Visit Our Website



Any Inquiries

UL-RECOGNIZED

# TRANSFER SWITCH CONTACTORS

Reliable Quality  
Made in Japan



AICHI ELECTRIC WORKS CO., LTD.

Our transfer switch contactors are installed in the ATS (Automatic Transfer Switch) products that switch between the utility power supply and the backup generator. The products allow the stable and smooth transitions at the time of power outage.

We have simplified the designs for ease of use while achieving cost reductions and maintaining the high quality. Our products are UL-recognized mainly for the North American market. They have been used for residential and commercial applications for many years.



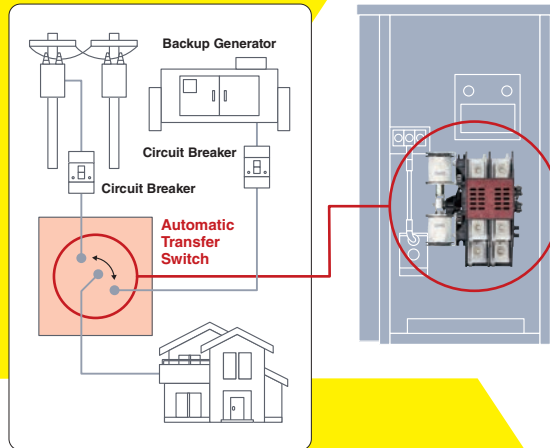
# V Series

**MOST POPULAR**

Low-voltage Contactors

Rated current: 100A, 200A, and 400A

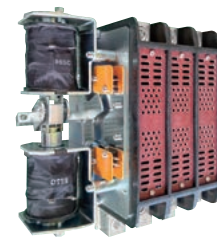
Number of poles: 2 and 3



## V Series



100A



200A · 3P



400A



400A



The 100A and 200A products are suitable for residential applications. The 400A products are used in small commercial facilities in addition to residential units.

### ■ Ratings

Type	21V2	21V3	22V2	22V3	24V	
Rated Voltage	AC240V					
Rated Current	100A		200A		400A	
Number of Poles	2P	3P	2P	3P	2P	3P
Operational Voltage	AC120V / AC240V	AC120V	AC120V / AC240V	AC120V	AC120V / AC240V	AC120V / AC240V
Short-Circuit Withstand / Closing Ratings *1	10kA	10kA	22kA	10kA	-	35kA (*2)
Short-Circuit Withstand / Closing Ratings *3	22kA	22kA	-	25kA	35kA / 50kA	50kA
Mass (Approximate)	1.5kg	1.9kg	2.5kg	5.5kg	10kg	11.3kg

\*1 Install any breaker upstream of this product so that the maximum energization time of the short circuit current is 0.025 seconds or less.

\*2 Install specified breaker upstream of this product so that the maximum energization time of the short circuit current is 0.017 seconds or less.

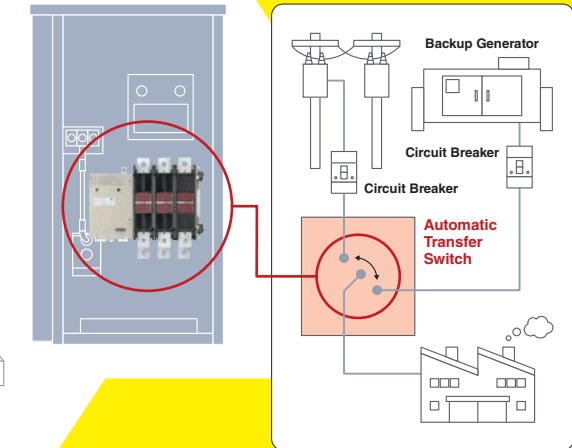
\*3 Install a breaker specified by us upstream of this product. Contact us for breaker information.



# WNU Series

OPEN TRANSITION MODEL  
(Break-before-Make)

There is a neutral (OFF) position.



It is suitable for small industrial and commercial facilities.

### ■ Ratings

Type	64WNU	
Rated Voltage	AC480V	
Rated Current	400A	
Number of Poles	3P	4P
Operational Voltage	AC240V	
Short-Circuit Withstand / Closing Ratings *1	-	-
Short-Circuit Withstand / Closing Ratings *3	10kA	10kA
Mass (Approximate)	14kg	18kg

If residual voltage is left on the load side at the time of transferring, overcurrent may occur due to the phase shift between the backup generator and the residual voltage on the load side.

WNU Series products can prevent such overcurrent by pausing the transfer at the neutral position momentarily and allowing the residual voltage to attenuate.

Also the tripping mechanism and the neutral position of this switch offers special operational sequence such as:

I → OFF → II    I → OFF → I