

# WINDING TYPE (권선형) CURRENT TRANSFORMER

12~24kV (5~1500A / 40In~40kA)

## W24CWC



### EPOXY RESIN CASTING CURRENT TRANSFORMERS for highest voltage of equipment up to 24kV

W24CWC 변류기는 최고 회로전압 24kV급 절연성능으로 설계되어진 옥내용 에폭시몰드 제품으로 그 이하 전압(12,17.5kV) 제품에 대해서는 동일한 치수(DIMENSION)를 가진다. 본 제품은 소형경량의 Compact한 변류기 구조를 가짐으로서, 설치공간이 협소한 표준배전반에 매우 적합한 제품이다. 또한 1core, 2core 단일 비 또는 다중 비 형태의 제품으로 설계 및 제작이 가능하다.

The W24CWC current transformer is an indoor epoxy resin cast product designed in a maximum circuit voltage 24kV-class insulation performance, and the less voltage(12, 17.5kV) product has the same dimensions. This product has a miniature light-weight compact structure to be very suitable for standard switchboards installed in a narrow space. In addition, this can be designed and fabricated in a single or multiple ratio type such as 1 core and 2 cores.

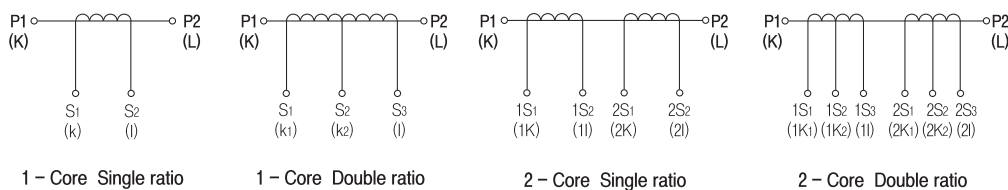
#### ● Feature

규격 Standard	IEC - KS C - JEC
설계 및 적용 Design and Application	계기 및 보호용 Designed for measuring and/or protection
사용조건 Service condition	옥내 Valid for indoor service
작업공정 Working process	- 자동진공주형방식 Automatic vacuum casting method - APG방식 Automatic Pressure Gelation method

#### ● Electrical characteristic

ITEM	MODEL		
	W24CWC		
Highest voltage for equipment (Um)	12kV	17.5kV	24kV
Rated power-frequency withstand voltage (60sec)	28kV	38kV	50kV
Rated lighting impulse withstand voltage (1.2/50μs)/full wave	75kV	95kV	125kV
Rated frequency	50 / 60Hz		
Rated primary current(Ipr)	5 to 1500A		
Rated secondary current(Isr)	5 or 1A		
Rated continuous thermal current	120%		
Rated short-time thermal current Ith (1sec)	40In~40kA		
Rated dynamic current Idyn (2.5×Ith)	100kA		
Insulation class (according to 60085)	E		
Standard	According to customer requirements		
Weight (approx.)	35kg		

#### ● Connection Diagram



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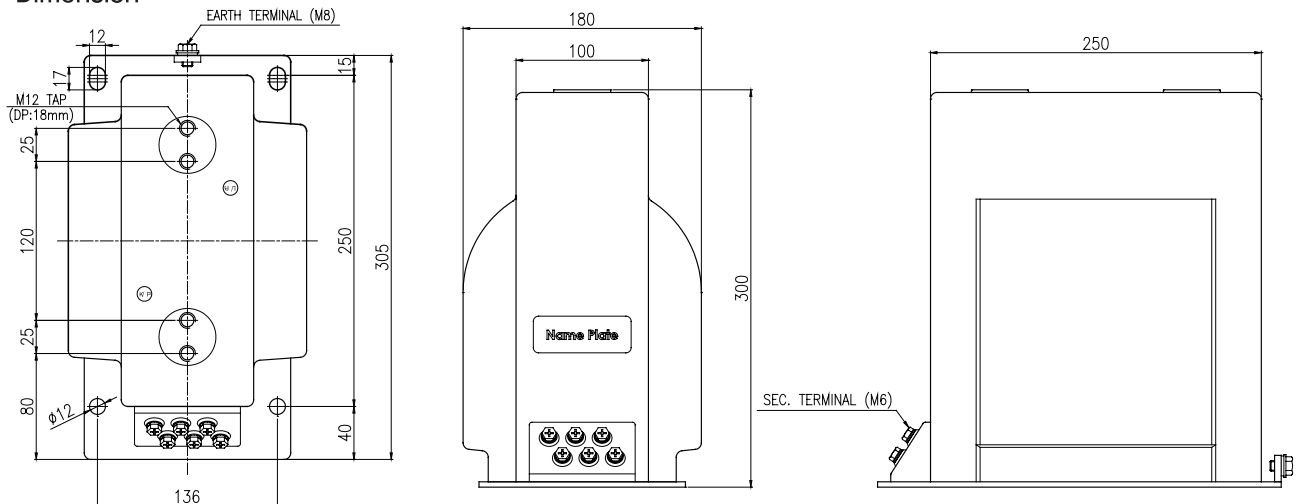
고압계기용변성기

12~24kV (5~1500A / 40In~40kA)

## ● Specification

ITEM	Rated short time current	Current Ratio		IEC 61869-2			KSC 1706, JEC 1201			IEEE C57.13	
		Single	Double	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor	Class	Burden
Metering	8kA	15/5A~2000/5A	30-15/5A~1500-750/5A	0.5 1.0	15VA 30VA	FS5 FS10	0.5 1.0	15VA 40VA	-	0.6,1,2	12.5VA (B-0.5)
	12.5kA	20/5A~2000/5A	40-20/5A~1500-750/5A							1.2	22.5VA (B-0.9)
	25kA	25/5A~2000/5A	50-25/5A~1500-750/5A							1.2	45VA (B-1.8)
	31.5kA	40/5A~2000/5A	150-75/5A~1500-750/5A								
	40kA	50/5A~2000/5A	100-50/5A~1500-750/5A								
Protection	150In	5/5A~400/5A	10-5/5A~400-200/5A	5P 10P	15VA	10	1P	15VA	n>10	T50	12.5VA
	8kA	20/5A~2000/5A	40-20/5A~1500-750/5A								
	12.5kA	25/5A~2000/5A	50-25/5A~1500-750/5A								
	25kA	50/5A~2000/5A	100-50/5A~1500-750/5A								
	31.5kA	75/5A~2000/5A	150-75/5A~1500-750/5A								
	40kA	100/5A~2000/5A	200-100/5A~1500-750/5A								
	75In	5/5A~800/5A	10-5/5A~800-400/5A	5P 10P	30VA	10	1P	40VA	n>10	T100	25VA
	8kA	50/5A~2000/5A	100-50/5A~1500-750/5A								
	12.5kA	75/5A~2000/5A	150-75/5A~1500-750/5A								
	25kA	150/5A~2000/5A	300-150/5A~1500-750/5A								
	31.5kA	200/5A~2000/5A	400-200/5A~1500-750/5A								
	40kA	250/5A~2000/5A	500-250/5A~1500-750/5A								
	40In	5/5A~800/5A	10-5/5A~800-400/5A	5P 10P	30VA	20	1P	15VA	n>20	T200	50VA
	8kA	75/5A~2000/5A	150-75/5A~1500-750/5A								
	12.5kA	100/5A~2000/5A	200-100/5A~1500-750/5A								
25kA	200/5A~2000/5A	400-200/5A~1500-750/5A									
31.5kA	300/5A~2000/5A	600-300/5A~1500-750/5A									
40kA	300/5A~2000/5A	600-300/5A~1500-750/5A									
2core	75In	5~800A/5-5A	10-5/5-5~800-400/5-5A	1.0/5P	15/15VA	10	1.0/1P	15/15VA	n>10	-	-
	8kA	30~2000A/5-5A	60-30/5-5~1500-750/5A								
	12.5kA	40~2000A/5-5A	80-40/5-5~1500-750/5A								
	25kA	75~2000A/5-5A	150-75/5-5~1500-750/5A								
	31.5kA	100~2000A/5-5A	200-100/5-5~1500-750/5A								
	40kA	150~2000A/5-5A	300-150/5-5~1500-750/5A								
	40In	5~2000A/5-5A	10-5/5-5~800-400/5-5A	1.0/5P	15/15VA 30/30VA	20 10	1.0/1P	15/15VA 40/40VA	n>20 n>10	-	-
	8kA	60~2000A/5-5A	120-60/5-5~1500-750/5A								
	12.5kA	100~2000A/5-5A	200-100/5-5~1500-750/5A								
	25kA	200~2000A/5-5A	400-200/5-5~1500-750/5A								
31.5kA	250~2000A/5-5A	500-250/5-5~1500-750/5A									
40kA	300~2000A/5-5A	600-300/5-5~1500-750/5A									

## ● Dimension



HV / C T  
고압변류기

HV / VT - MOF  
고압변압기

LV / C T  
저압변류기

LV / VT  
저압변압기

RELA Y  
보호계전기

E L D  
누전경보기

G F R  
지락계전기

Z C T  
영상변류기

M E T E R  
지시전계기

S H U N T  
셔트