

WINDING TYPE (권선형) CURRENT TRANSFORMER

12~24kV (5~3200A / 40In~40kA)

W24CWE



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

W24CWE 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 W24CWE 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.

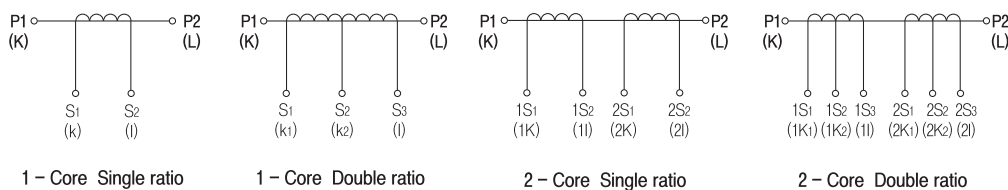
● Feature

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	W24CWE		
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 3200A		
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.)		45kg		

● Connection Diagram



WINDING TYPE (권선형) CURRENT TRANSFORMER



고압계기용변성기

12~24kV (5~3200A / 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	300In	5/5A~200/5A	10-5/5A~200-100/5A	1.0	15VA	FS5 FS10	1.0	15VA	-	0.6,1.2	12.5VA (B-0.5)
	8kA	10/5A~3200/5A	20-10/5A~3200-1600/5A								
	12.5kA	15/5A~3200/5A	30-15/5A~3200-1600/5A								
	25kA	20/5A~3200/5A	40-20/5A~3200-1600/5A								
	31.5kA	40/5A~3200/5A	80-40/5A~3200-1600/5A								
	40kA	40/5A~3200/5A	80-40/5A~3200-1600/5A								
	300In	10/5A~200/5A	20-10/5A~200-100/5A	0.5 1.0	15VA 40VA	FS5 FS10	0.5	15VA 40VA	-	1.2	22.5VA (B-0.9)
	8kA	20/5A~3200/5A	40-20/5A~3200-1600/5A								
	12.5kA	25/5A~3200/5A	50-25/5A~3200-1600/5A								
	25kA	35/5A~3200/5A	70-35/5A~3200-1600/5A								
	31.5kA	70/5A~3200/5A	140-70/5A~3200-1600/5A								
	40kA	70/5A~3200/5A	140-70/5A~3200-1600/5A								
Protection	300In	5/5A~200/5A	10-5/5A~200-100/5A	5P 10P	15VA	10 10	1P	15VA	n>10	T50	12.5VA
	8kA	10/5A~3200/5A	20-10/5A~3200-1600/5A								
	12.5kA	15/5A~3200/5A	30-15/5A~3200-1600/5A								
	25kA	20/5A~3200/5A	40-20/5A~3200-1600/5A								
	31.5kA	40/5A~3200/5A	80-40/5A~3200-1600/5A								
	40kA	40/5A~3200/5A	80-40/5A~3200-1600/5A								
	150In	5/5A~400/5A	10-5/5A~400-200/5A	5P 10P	30VA	20 20	1P	15VA 40VA	n>20 n>10	T100	25VA
	8kA	20/5A~3200/5A	40-20/5A~3200-1600/5A								
	12.5kA	25/5A~3200/5A	50-25/5A~3200-1600/5A								
	25kA	30/5A~3200/5A	60-30/5A~3200-1600/5A								
	31.5kA	75/5A~3200/5A	150-75/5A~3200-1600/5A								
	40kA	75/5A~3200/5A	150-75/5A~3200-1600/5A								
	8kA	25/5A~3200/5A	50-25/5A~3200-1600/5A	5P 10P	30VA	20 20	1P	40VA	n>20	T200	50VA
	12.5kA	35/5A~3200/5A	70-35/5A~3200-1600/5A								
	25kA	50/5A~3200/5A	100-50/5A~3200-1600/5A								
	31.5kA	100/5A~3200/5A	200-100/5A~3200-1600/5A								
	40kA	100/5A~3200/5A	200-100/5A~3200-1600/5A								
	40kA	100/5A~3200/5A	200-100/5A~3200-1600/5A								
2core	40In	5~1500/5-5A	10-5/5-5A~1500-750/5-5A	1.0/5P	15/15VA	10	1.0/1P	15/15VA	n>10	-	-
	75In	5~800/5-5A	10-5/5-5A~800-400/5-5A								
	150In	5~400/5-5A	10-5/5-5A~400-200/5-5A								
	300In	5~200/5-5A	20-10/5-5A~200-100/5-5A								
	8kA	20~3200/5-5A	40-20/5-5A~3200-1600/5-5A								
	12.5kA	30~3200/5-5A	60-30/5-5A~3200-1600/5-5A								
	25kA	40~3200/5-5A	80-40/5-5A~3200-1600/5-5A	1.0/5P	15/15VA 30/30VA	20 10	1.0/1P	15/15VA 40/40VA	n>20 n>10	-	-
	31.5kA	80~3200/5-5A	160-80/5-5A~3200-1600/5-5A								
	40kA	80~3200/5-5A	160-80/5-5A~3200-1600/5-5A								
	40In	10~1500/5-5A	20-10/5-5A~1500-750/5-5								
	8kA	50~2000/5-5A	100-50/5-5A~3200-1600/5-5A								
	12.5kA	70~3200/5-5A	140-70/5-5A~3200-1600/5-5A								
	25kA	100~3200/5-5A	200-100/5-5A~3200-1600/5-5A								
	31.5kA	200~3200/5-5A	400-200/5-5A~3200-1600/5-5A								
	40kA	200~3200/5-5A	400-200/5-5A~3200-1600/5-5A								

● Dimension

