

WINDING TYPE (권선형) CURRENT TRANSFORMER

3.6~12kV (5~1500A / 40In~25kA)

W12CWA



EPOXY RESIN CASTING CURRENT TRANSFORMERS for highest voltage of equipment up to 12kV

W12CWA 변류기는 최고 회로전압 12kV급 절연성능으로 설계되어진 옥내용 에폭시몰드 제품으로 그 이하 전압(3.6, 7.2kV) 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 가능합니다.

The W12CWA current transformer is an indoor epoxy resin cast product designed in a maximum circuit voltage 12kV-class insulation performance, and the less voltage(3.6, 7.2kV) 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.

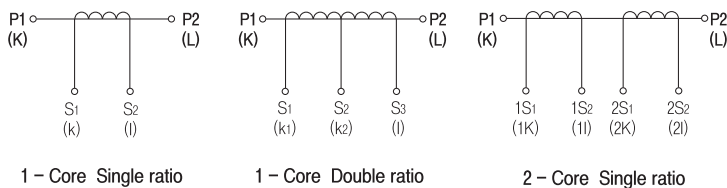
● Feature

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		
	W12CWA		
Highest voltage for equipment (Um)	3.6kV	7.2kV	12kV
Rated power-frequency withstand voltage (60sec)	10kV	20kV	28kV
Rated lighting impulse withstand voltage (1.2/50μs)/full wave	40kV	60kV	75kV
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~25kA		
Rated dynamic current Idyn (2.5×Ith)	62.5kA		
Insulation class (according to 60085)	E		
Standard	According to customer requirements		
Weight (approx.)	16kg		

● Connection Diagram



WINDING TYPE (권선형) CURRENT TRANSFORMER



고압계기용변성기

3.6~12kV (5~1500A / 40In~25kA)

● 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	20/5A~1500/5A	40~20/5A~1500~750/5A	1.0	15VA	FS5 FS10	1.0	15VA	-	0.6,1.2	12.5VA (B-0.5)
	12.5kA	25/5A~1500/5A	50~25/5A~1500~750/5A								
	25kA	50/5A~1500/5A	100~50/5A~1500~750/5A								
	150In	5/5A~400/5A	10~5/5A~400~200/5A	1.0	30VA	FS10	1.0	40VA	-	1.2	22.5VA (B-0.9)
	8kA	25/5A~1500/5A	50~25/5A~1500~750/5A								
	12.5kA	40/5A~1500/5A	80~40/5A~1500~750/5A								
	25kA	75/5A~1500/5A	150~75/5A~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~1500/5A	20~10/5A~1500~750/5A								
	12.5kA	25/5A~1500/5A	30~15/5A~1500~750/5A								
	25kA	50/5A~1500/5A	50~25/5A~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~1500/5A	50~25/5A~1500~750/5A								
	12.5kA	75/5A~1500/5A	80~40/5A~1500~750/5A								
	25kA	150/5A~1500/5A	150~75/5A~1500~750/5A								
	40In	5/5A~1500/5A	10~5/5A~1500~750/5A	5P 10P	15VA	20	1P	15VA	n>20	T200	50VA
	8kA	100/5A~1500/5A	100~75/5A~1500~750/5A								
	12.5kA	150/5A~1500/5A	150~75/5A~1500~750/5A								
25kA	300/5A~1500/5A	600~300/5A~1500~750/5A									
2core	40In	5~1500/5~5A	-	1.0/5P	15/15VA	10	1.0/1P	15/15VA	n>10	-	-
	75In	5~800/5~5A	-								
	8kA	40~1500/5~5A	-								
	12.5kA	60~1500/5~5A	-								
	25kA	120~1500/5~5A	-								

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
지시전기계기

S H U N T
셔트

● Dimension

